2008 Annual Report

Sunnyside Cogeneration Associates
Sunnyside Refuse and Slurry
C/007/035

SUNNYSIDE COGENERATION ASSOCIATES
SUNNYSIDE REFUSE/SLURRY
C/007/0035
2008 ANNUAL REPORT

Submitted to:

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

0008

COPY

C/007/035 Incoming
CC: Karl H

#3286
OK

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

May 14, 2009

Darron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: Annual Report for 2008
SCA Sunnyside Mining Permit, C/007/035

Dear Mr. Haddock:

Please find enclosed two copies of SCA's Annual report for 2008, for coal mining and reclamation operations at the SCA Sunnyside site. This report is inclusive of the activities that occurred within the SCA Sunnyside Mining Permit area during 2008.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

cc. Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File

File in:
C/007/035, 2009, Incoming
Refer to:
☐ Confidential
☒ Shelf
☐ Expandable
Date 05/14/09 For additional information

RECEIVED
MAY 18 2009
DIV. OF OIL, GAS & MINING

SUNNYSIDE COGENERATION ASSOCIATES

SUNNYSIDE REFUSE/SLURRY
2008 ANNUAL REPORT

TABLE OF CONTENTS

I. GENERAL PERMIT INFORMATION

Permit Number:	C/007/0035
Mine Name:	Sunnyside Refuse/Slurry
Permittee:	Sunnyside Cogeneration Associates
Company Representative & Resident Agent:	Mr. Michael J. Blakey One Power Plant Road PO Box 159 Sunnyside, UT 84539 (435) 888-4476 (435) 888-2538 fax
Date of Initial Permanent Program Permit:	February 4, 1993
Date of Most Recent Permit Renewal: (See renewal letter in Appendix E-1)	February 4, 2008
Date of Expiration:	February 4, 2013

II. IDENTIFICATION OF OTHER PERMITS

MSHA ID Numbers:	Sunnyside Waste Coal Site	42-02093
	Coarse Refuse Pile	1211-UT-09-02093-01
	Excess Spoil Disposal Area #1	1211-UT-09-02093-04
	Excess Spoil Disposal Area #2	1211-UT-09-02093-05

UPDES Permit Number: UT0024759 Renewed effective August 1, 2007
Expires July 31, 2012

Air Quality Title V Operating Permit: #700030001

SCA renewed its Title V permit in 2007. Most of the emissions are associated with the power plant adjacent to the SCA Sunnyside mining permit area. The mining operation generates little to no emissions. However the Operating Permit covers all of SCA's operations in Sunnyside.

III. CERTIFIED REPORTS

Each impoundment as well as the Refuse Pile and Excess Spoil Disposal Areas was inspected in accordance with the requirements of the Mining and Reclamation Permit. The quarterly and annual inspection / certification reports were submitted to the Division throughout the year. These reports are also included in **Appendix A.**

All of the impoundments met or exceeded the storage capacity requirements identified in the permit. No discharges occurred from any of the impoundments during 2008.

All of the spoils materials and coal reject materials generated during 2008 were placed in the Excess Spoil Disposal Area #2. No new materials were placed in the Excess Spoil Disposal Area #1. Construction is progressing in general conformance with design requirements as currently approved.

SCA gathered soil samples from the Excess Spoil Disposal Area #2 during 2008. The analytical test results are included with this report in **Appendix B2.**

Excavation of Coarse and Fine Refuse from the Refuse Pile occurred in general conformance with the operational criteria and performance standards established in the permit.

IV. REPORTING OF OTHER TECHNICAL DATA

1. Climatological Data

SCA has obtained precipitation and climatological data for 2008 from the Sunnyside Weather Station operated by the City of Sunnyside. A summary table identifying this data is included in **Appendix B-1.**

2. Subsidence Monitoring Data

No subsidence monitoring is required by the approved plan. No material damage or diminution within the Permit Area will be caused by subsidence because no underground coal resources are available within the permit area that would cause subsidence. No past or future underground coal mining operations have or are likely to occur within the SCA Permit Area.

3. Vegetation Monitoring Data

During 2008, no new areas received final reclamation treatment. In an effort to perform contemporaneous reclamation, SCA is committed to reclaim areas of two acres or larger that are permanently excavated of waste, and are no longer needed for the continued operations. There are currently no areas that meet these criteria.

In 2007, SCA performed quantitative sampling of the Old Coarse Refuse Road that was reclaimed in 1994. This sampling was conducted with the anticipation that SCA could submit an application for Final Phase III Bond Release with the 2006 data set being used as "Year 1" and the 2007 data set as "Year 2" of the two consecutive years of vegetation monitoring necessary to apply for bond release.

The report prepared to document this revegetation monitoring was submitted with the 2007 annual report to DOGM. The report indicates that the reclaimed road has established an adequate plant community to be considered for Phase III or Final Bond Release. SCA has not yet filed the paperwork necessary to request final bond release.

Interim reseeding has been performed in previous years on several areas throughout the permit site. This interim seeding was accomplished using the approved interim seed mix included in the permit. These areas previously reseeded with the interim revegetation seed mix have been periodically checked by SCA and appear to have vegetative growth similar to the surrounding area.

4. Raptor Surveys and Wildlife Programs

Discussions were held in 1998 with the Division concerning whether or not raptor surveys would be needed. Both the permittee and the Division have agreed that, considering the location of the permit site and the ongoing nature of SCA's activities, it is highly unlikely that the mining and reclamation activities of SCA would negatively affect raptor nesting sites. Therefore, raptor studies would have little value and are not required by the approved permit. Hence, no raptor studies have been performed.

SCA is committed to carrying out its operations in a manner that minimizes potential impact on wildlife in the area. These operations are centered on excavation and hauling activities in and around the coal pile and storage areas. These operations continue to be performed in a manner that does not prevent the necessary migration of large mammals. No additional efforts have been requested by DOGM to provide for migration routes.

SCA also provides periodic wildlife awareness training during employee staff meetings to educate all employees associated with the site activities regarding the values of the wildlife resources associated with the local area. Employee training advises against unnecessary harassment or taking of wildlife on site.

5. Water Monitoring Data

As required in the approved plan, SCA performed quarterly water monitoring at the specified surface and ground water monitoring locations. These sites were analyzed according to the Operational Water Quality Monitoring Parameters listed in the MRP (Appendix 7-8). SCA has prepared an analysis of the water quality obtained during the period 2003-2008 for comparison with the data obtained during the 1993-1995 Baseline Monitoring Period and the 1996-2002 Operational Monitoring Period. The results of these analyses indicate that the water quality has remained in general similarity to that observed during the prior monitoring periods. This analysis report is included in Appendix B-4 of this annual report. A summary of the 1993-1995 Baseline water quality data is included in the MRP as Appendix 7-4. A summary of the 1996-2002 Operational water quality data is included in the MRP as Appendix 7-10.

The water data from each of the quarterly monitoring periods was submitted to the Division throughout the year. An additional copy of the data has been included in **Appendix B-3** of this report.

6. Geological / Geophysical Data

No periodic Geological / Geophysical monitoring is required in the approved plan. The data included as resource information in the plan is considered adequate for the operations of SCA. In the event that the operations of SCA change dramatically such that additional geologic or geophysical data becomes necessary, additional analysis will be performed at that time.

7. Engineering Data

a. Refuse Excavation

During 2008, SCA excavated 268,786 tons from the Sunnyside permit area. Of that, 35,439 tons was rejected to the Excess Spoil Disposal Area #2. The Sunnyside facility also received 251,600 tons from the Star Point facility;

b. Excess Spoils Disposal Area #1

No new material was placed in this disposal area during 2008.

c. Excess Spoil Disposal Area #2

Placement and compaction of fill material occurred in this disposal area throughout 2008. Materials placed in the disposal area consist mostly of coarse refuse rejects, but also include some general spoils material. Approximately 35,439 tons of material were placed in this disposal area during 2008. (1^{st} qtr – 11,557, 2^{nd} qtr – 8,532, 3^{rd} qtr – 7,583 tons, 4^{th} qtr – 7,767 tons). Lab analysis of samples taken of material placed in the site during the 2^{nd} quarter 2008 is included in Appendix B2 of this report.

Inspections of the refuse area and both spoils areas are conducted on a quarterly basis. Reports from these site visits are submitted to the Division throughout the year and have been included in this report with the certified reports.

8. Soils Monitoring Data

No periodic soil monitoring is required by the approved plan. The approved borrow areas reserved for reclamation activities have previously undergone soils studies from which the data is included in Chapter 2 of the Permit.

In the event that SCA determines it necessary to utilize soils from other sources for reclamation, the proper analysis will be performed at that time.

9. Other Data

No additional periodic data is required in the approved plan.

V. LEGAL, FINANCIAL, COMPLIANCE & RELATED INFORMATION

Sunnyside Cogeneration Associates is a joint venture between Sunnyside Holdings I, Inc. and Sunnyside II, L.P. **Appendix C** includes copies of the Certificates of Existence for Sunnyside Cogeneration Associates, Sunnyside Holdings I. Inc. and Sunnyside II, L.P. The Utah Department of Commerce, Division of Corporations and Commercial Code issues these certificates. They demonstrate that the entities are in good standing with the State of Utah.

VI. MINE MAPS

The mine map included in **Appendix D** of this report provides a contours and a photograph showing the surface configuration of the refuse area being excavated. This refuse is then utilized as fuel for the adjacent Cogeneration Facility. The aerial survey used to generate contours of the site was performed in April 2007. A photograph from April 2009 of the active mining area has been added to the map to further show conditions.

Mining excavation of the refuse pile has occurred in general conformance with the approved mining plan since the date of the aerial survey and photograph.

Mining activity proposed for the next five years is projected to occur in conformance with the mining plan shown on the PE Certified drawings approved in the Mining and Reclamation Permit.

APPENDIX A
CERTIFIED REPORTS

APPENDIX A
CERTIFIED REPORTS

FIRST QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

April 17, 2008

Daron Haddock
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: First Quarter 2008 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the First Quarter 2008 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Paul Shepard
Ramiro Garcia
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION **Railcut Sediment Pond**

Report Date	April 9, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	RailCut Sediment Pond
Impoundment Number	007
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	March 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	First Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6206.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Act Date: 4/17/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

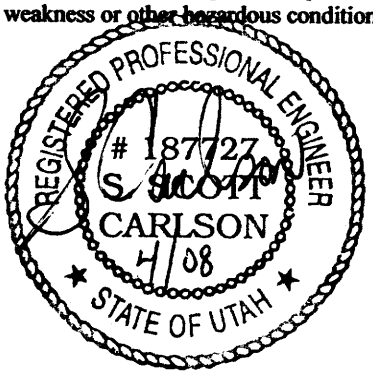
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date	April 9, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Old Coarse Refuse Road Sediment Pond
Impoundment Number	008
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	March 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	First Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.0 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Ott Date: 4/17/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. **Is impoundment designed and constructed in accordance with the approved plan?** YES
2. **Is impoundment free of instability, structural weakness, or any other hazardous conditions?** YES
3. **Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?** YES

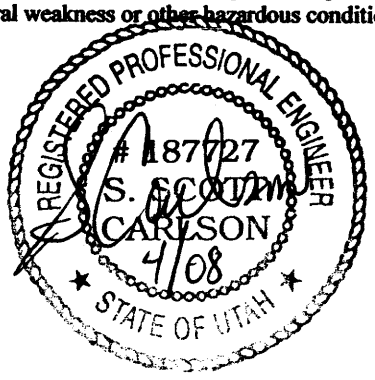
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date	April 9, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Pasture Sediment Pond
Impoundment Number	009
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	March 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	First Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6484.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nty Date: 4/17/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

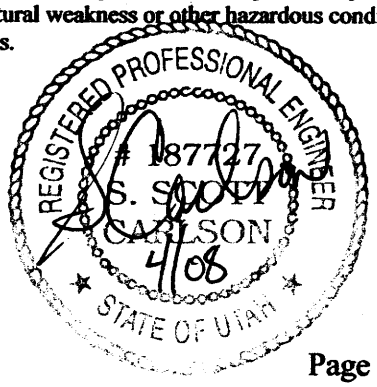
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date	April 9, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	New Coarse Refuse Toe Sediment Pond
Impoundment Number	012
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	March 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	First Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Ney Date: 4/17/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. **Is impoundment designed and constructed in accordance with the approved plan?** YES
2. **Is impoundment free of instability, structural weakness, or any other hazardous conditions?** YES
3. **Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?** YES

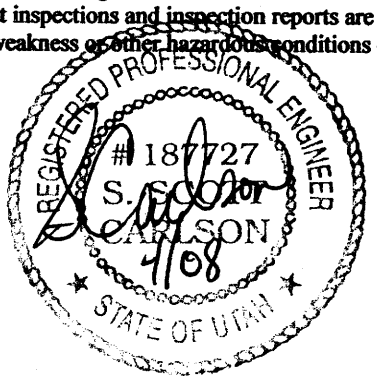
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION **Coal Pile Sediment Pond**

Report Date	April 9, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Coal Pile Sediment Pond
Impoundment Number	014
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	March 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	First Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6473.0 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Ney Date: 4/17/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?	YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?	YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	YES

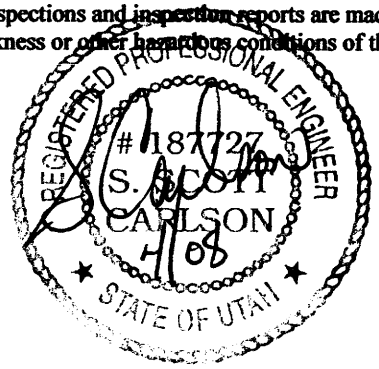
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date	April 9, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Borrow Area Sediment Pond
Impoundment Number	016
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	March 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	First Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6510 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Ney Date: 4/17/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?	YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?	YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	YES

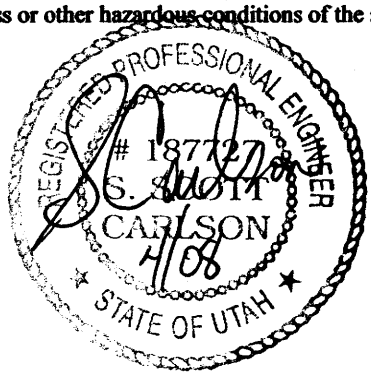
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Coarse Refuse Pile**

Report Date April 9, 2008
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Coarse Refuse Pile
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-01

Inspection Date March 25, 2008
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

The East Slurry Cell has been decommissioned and the coal refuse material stored therein has been incorporated as part of the Coarse Refuse Pile.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 4/17/08

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #1**

Report Date April 9, 2008
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #1
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-04

Inspection Date March 25, 2008
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

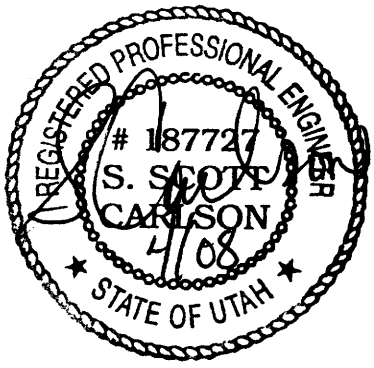
Signature: Rusty Netz Date: 4/17/08

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #2**

Report Date April 9, 2008
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #2
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-05

Inspection Date March 25, 2008
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

No under-drains or filters area required by the approved plan

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

Approximately 11,557 tons of material were placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Both Slurry Ponds 1 & 2 have now been filled. The Clear Water Pond has been included within this Disposal Area. SCA has completed an enlargement of the Pasture Pond and has decommissioned the Clear Water Pond and incorporated the area within this Disposal Area. They can also continue filling the disposal area to the height approved.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nety Date: 4/17/08

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

APPENDIX A
CERTIFIED REPORTS

SECOND QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

July 25, 2008

Daron Haddock
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: Second Quarter 2008 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the Second Quarter 2008 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Railcut Sediment Pond

GENERAL INFORMATION

Report Date	July 22, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	RailCut Sediment Pond
Impoundment Number	007
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	June 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Second Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6206.8 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nty Date: 7/24/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, LLC
P.E. Number & State: 187727 UTAH

REGISTERED PROFESSIONAL ENGINEER # 187727 S. SCOTT CARLSON 7/08 STATE OF UTAH

Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date	July 22, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Old Coarse Refuse Road Sediment Pond
Impoundment Number	008
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	June 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Second Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.25 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nty Date: 7/24/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

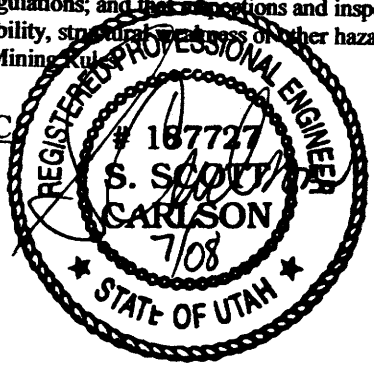
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Report Date	July 22, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Pasture Sediment Pond
Impoundment Number	009
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	June 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Second Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6485 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Ng Date: 7/24/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

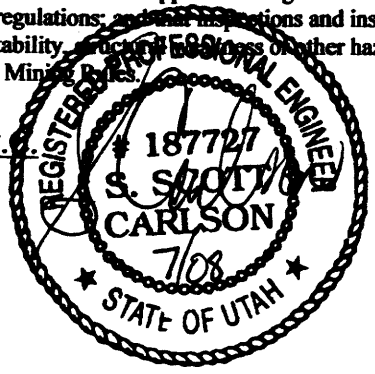
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date	July 22, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	New Coarse Refuse Toe Sediment Pond
Impoundment Number	012
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	June 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Second Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

3. Field Evaluation. **Coarse Refuse Toe Sediment Pond**

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 7/24/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. **Is impoundment designed and constructed in accordance with the approved plan?** YES
2. **Is impoundment free of instability, structural weakness, or any other hazardous conditions?** YES
3. **Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?** YES

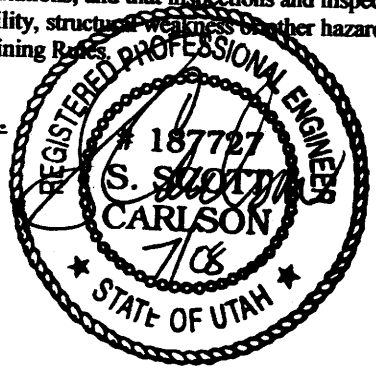
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

GENERAL INFORMATION

Report Date	July 22, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Coal Pile Sediment Pond
Impoundment Number	014
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	June 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Second Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = ~~0.3 acre~~ feet at Elevation = 6474.7
Existing Sediment Elevation = 6473.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

3. Field Evaluation. **Coal Pile Sediment Pond**

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 7/24/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT
CARLSON
7/08
STATE OF UTAH

Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date	July 22, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Borrow Area Sediment Pond
Impoundment Number	016
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	June 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Second Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

3. Field Evaluation. **Borrow Area Sediment Pond**

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 7/24/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
7/08
STATE OF UTAH

Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

GENERAL INFORMATION

Report Date	July 22, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Coarse Refuse Pile
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-01

Inspection Date	June 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Second Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

   N/A

2. Placement of underdrains and protective filter systems.

   N/A

3. Installation of final surface drainage systems

   N/A

4. Placement and compaction of fill materials

   N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

   N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

   No aspects of the Fill structure were observed that could affect its stability or functionality

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

The East Slurry Cell has been decommissioned and the coal refuse material stored therein has been incorporated as part of the Coarse Refuse Pile.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

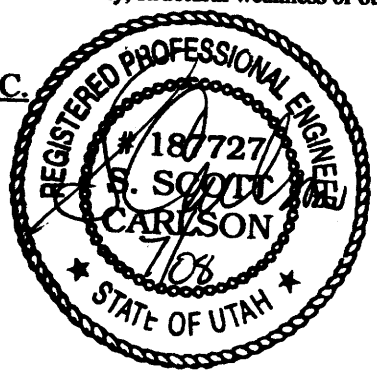
Signature: Rusty nut Date: 7/24/08

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #1**

Report Date	July 22, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Excess Spoil Disposal Area #1
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-04

Inspection Date	June 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Second Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Ott Date: 7/24/08

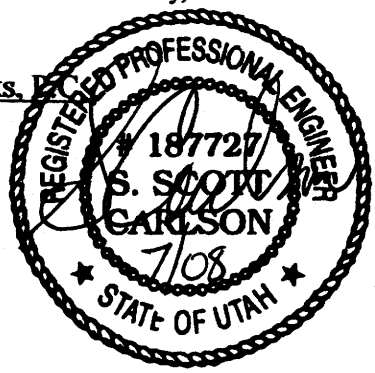
CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #2**

Report Date	July 22, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Excess Spoil Disposal Area #2
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-05

Inspection Date	June 25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Second Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

   Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

   No under-drains or filters area required by the approved plan

3. Installation of final surface drainage systems

   N/A

4. Placement and compaction of fill materials

   Approximately 8,532 tons of material were placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

   N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

   No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Both Slurry Ponds 1 & 2 have now been filled. The Clear Water Pond has been included within this Disposal Area. SCA has completed an enlargement of the Pasture Pond and has decommissioned the Clear Water Pond and incorporated the area within this Disposal Area. They can also continue filling the disposal area to the height approved.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

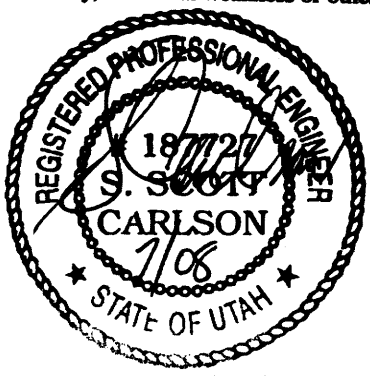
Signature: Rusty Net Date: 7/24/08

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



APPENDIX A
CERTIFIED REPORTS

THIRD QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

October 27, 2008

Daron Haddock
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: Third Quarter 2008 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the Third Quarter 2008 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION **Railcut Sediment Pond**

Report Date	October 20, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	RailCut Sediment Pond
Impoundment Number	007
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	September25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Third Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6206.8 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 10/27/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

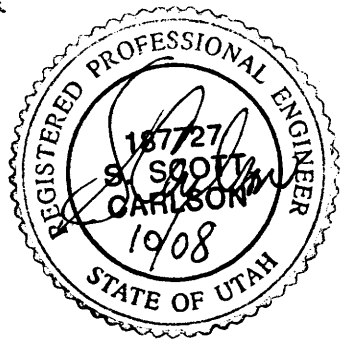
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date	October 20, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Old Coarse Refuse Road Sediment Pond
Impoundment Number	008
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	September25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Third Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.25 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 10/27/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

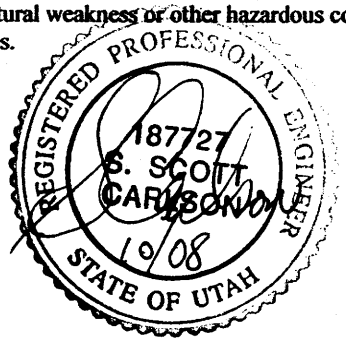
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date	October 20, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Pasture Sediment Pond
Impoundment Number	009
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	September25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Third Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6484.7 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 10/27/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

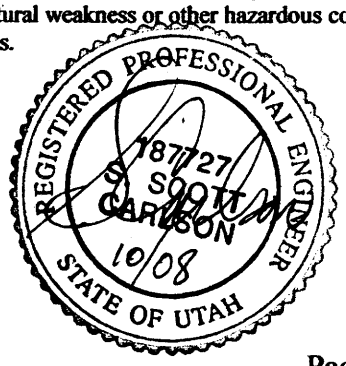
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date	October 20, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	New Coarse Refuse Toe Sediment Pond
Impoundment Number	012
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	September25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Third Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 10/27/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

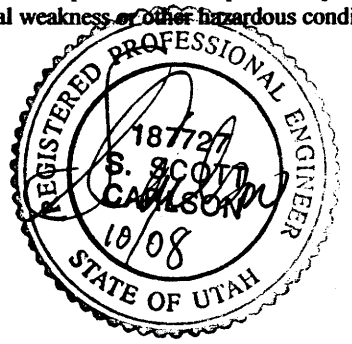
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION **Coal Pile Sediment Pond**

Report Date	October 20, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Coal Pile Sediment Pond
Impoundment Number	014
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	September25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Third Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6473.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 10/27/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

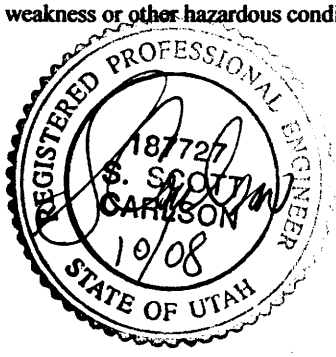
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date	October 20, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Borrow Area Sediment Pond
Impoundment Number	016
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	September25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Third Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Netz Date: 10/27/08

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. **Is impoundment designed and constructed in accordance with the approved plan?** YES
2. **Is impoundment free of instability, structural weakness, or any other hazardous conditions?** YES
3. **Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?** YES

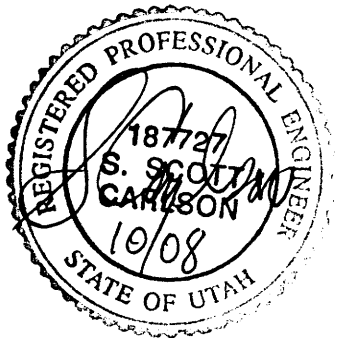
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Coarse Refuse Pile**

Report Date	October 20, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Coarse Refuse Pile
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-01

Inspection Date	September25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Third Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

   N/A

2. Placement of underdrains and protective filter systems.

   N/A

3. Installation of final surface drainage systems

   N/A

4. Placement and compaction of fill materials

   N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

   N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

   No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

The East Slurry Cell has been decommissioned and the coal refuse material stored therein has been incorporated as part of the Coarse Refuse Pile.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Ney Date: 10/27/08

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #1**

Report Date	October 20, 2008
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Excess Spoil Disposal Area #1
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-04

Inspection Date	September25, 2008
Inspected by	Rusty Netz
Reason for Inspection	Third Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

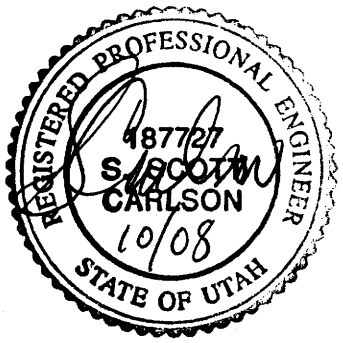
Signature: Rusty Net Date: 10/27/08

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #2**

Report Date October 20, 2008
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #2
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-05

Inspection Date September25, 2008
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

   Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

   No under-drains or filters area required by the approved plan

3. Installation of final surface drainage systems

   N/A

4. Placement and compaction of fill materials

   Approximately 7,583 tons of material were placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

   N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

   No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Both Slurry Ponds 1 & 2 have now been filled. The Clear Water Pond has been included within this Disposal Area. SCA has completed an enlargement of the Pasture Pond and has decommissioned the Clear Water Pond and incorporated the area within this Disposal Area. They can also continue filling the disposal area to the height approved.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

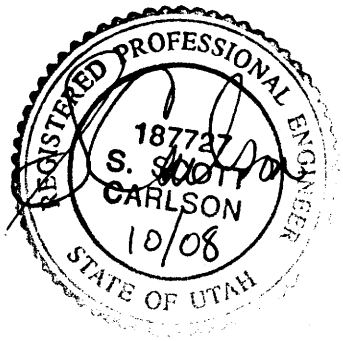
Signature: Rusty Net Date: _____

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



APPENDIX A
CERTIFIED REPORTS

FOURTH QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 27, 2009

Daron Haddock
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: Fourth Quarter 2008 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the Fourth Quarter 2008 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION **Railcut Sediment Pond**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	RailCut Sediment Pond
Impoundment Number	007
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Fourth Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6206.8 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nutz Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?	YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?	YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	YES

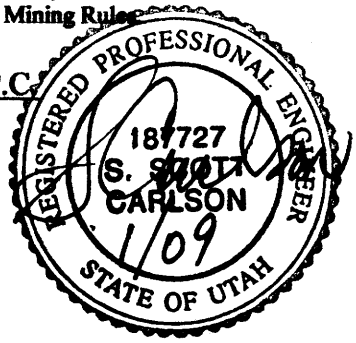
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Old Coarse Refuse Road Sediment Pond
Impoundment Number	008
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Fourth Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.25 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Netz Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. **Is impoundment designed and constructed in accordance with the approved plan?** YES
2. **Is impoundment free of instability, structural weakness, or any other hazardous conditions?** YES
3. **Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?** YES

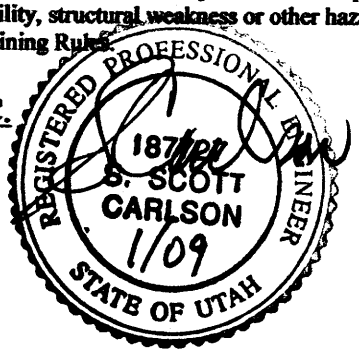
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Pasture Sediment Pond
Impoundment Number	009
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Fourth Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6484.7 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Notz Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?	**YES**
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?	**YES**
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	**YES**

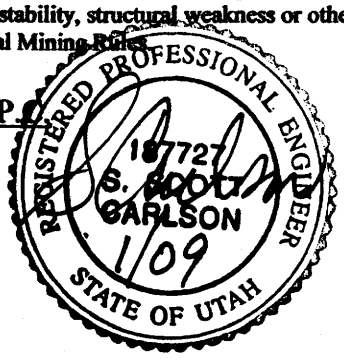
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	New Coarse Refuse Toe Sediment Pond
Impoundment Number	012
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Fourth Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT
CARLSON
1/09
STATE OF UTAH

Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION **Coal Pile Sediment Pond**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Coal Pile Sediment Pond
Impoundment Number	014
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Fourth Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6473.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Netz Date: 1/19/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. **Is impoundment designed and constructed in accordance with the approved plan?** YES
2. **Is impoundment free of instability, structural weakness, or any other hazardous conditions?** YES
3. **Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?** YES

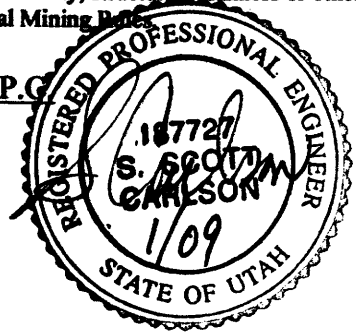
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Borrow Area Sediment Pond
Impoundment Number	016
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Fourth Quarter Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nutz Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?	YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?	YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	YES

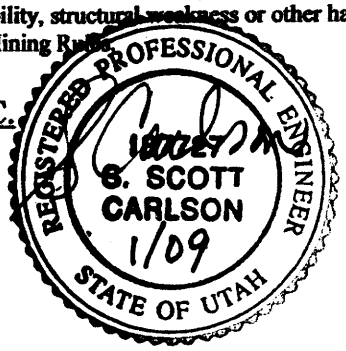
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Coarse Refuse Pile**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Coarse Refuse Pile
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-01

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Fourth Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

   N/A

2. Placement of underdrains and protective filter systems.

   N/A

3. Installation of final surface drainage systems

   N/A

4. Placement and compaction of fill materials

   N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

   N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

   No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

The East Slurry Cell has been decommissioned and the coal refuse material stored therein has been incorporated as part of the Coarse Refuse Pile.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

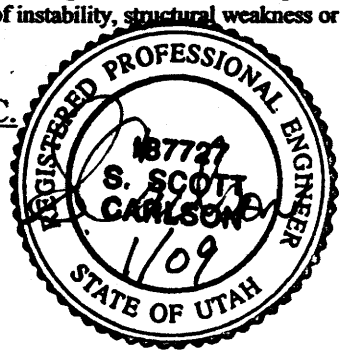
Signature: Rusty Netz Date: 1/27/09

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #1**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Excess Spoil Disposal Area #1
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-04

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Fourth Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

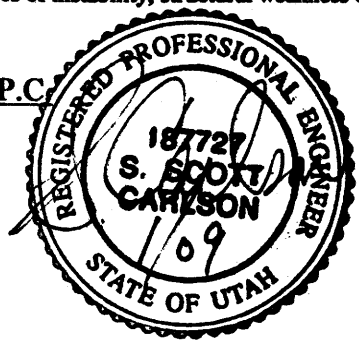
Signature: Rusty Netz Date: 1/27/09

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #2**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Excess Spoil Disposal Area #2
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-05

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Fourth Quarter Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

   Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

   No under-drains or filters area required by the approved plan

3. Installation of final surface drainage systems

   N/A

4. Placement and compaction of fill materials

   Approximately 7,767 tons of material were placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

   N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

   No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Both Slurry Ponds 1 & 2 have now been filled. The Clear Water Pond has been included within this Disposal Area. SCA has completed an enlargement of the Pasture Pond and has decommissioned the Clear Water Pond and incorporated the area within this Disposal Area. They can also continue filling the disposal area to the height approved.

QUALIFICATION STATEMENT:

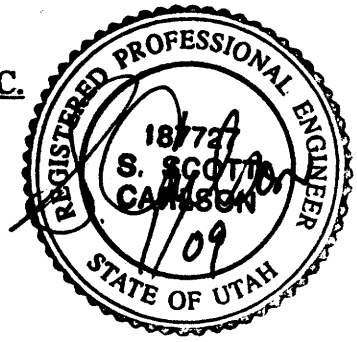
I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Netz Date: 1/27/09

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

APPENDIX A
CERTIFIED REPORTS

ANNUAL INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 27, 2009

Daron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: Annual 2008 Inspection Report
Sunnyside Refuse and Slurry C/007/035

Dear Mr. Haddock:

Please find enclosed a copy of the Annual 2008 Inspection Report for the Sunnyside refuse pile, impoundments, and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION **Railcut Sediment Pond**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	RailCut Sediment Pond
Impoundment Number	007
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Annual Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6206.8 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nutz Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?	**YES**
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?	**YES**
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	**YES**

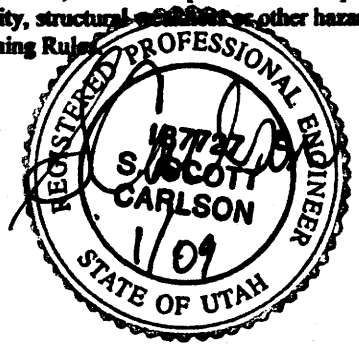
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness, other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Old Coarse Refuse Road Sediment Pond
Impoundment Number	008
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Annual Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.25 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nety Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

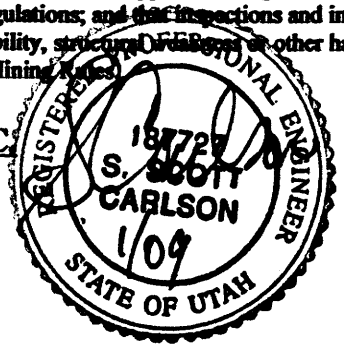
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Pasture Sediment Pond
Impoundment Number	009
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Annual Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6484.7 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Netz Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
1/09
STATE OF UTAH

Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	New Coarse Refuse Toe Sediment Pond
Impoundment Number	012
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Annual Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken. Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Netz Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?	YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?	YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	YES

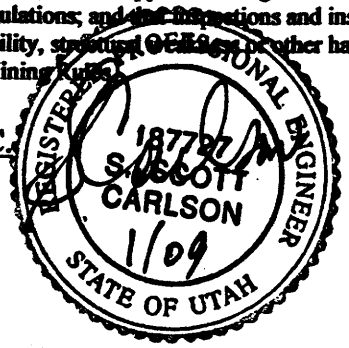
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural defects or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION **Coal Pile Sediment Pond**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Coal Pile Sediment Pond
Impoundment Number	014
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Annual Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6473.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
A small amount of water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Netz Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES

3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

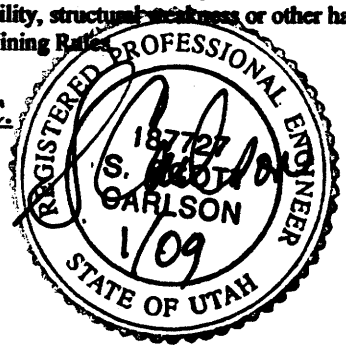
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name	Borrow Area Sediment Pond
Impoundment Number	016
UPDES Permit Number	UT024759
MSHA ID Number	N/A

IMPOUNDMENT INSPECTION

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Annual Inspection 2008

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
No water was impounded
Sediment level was good.
No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Net Date: 1/27/09

CERTIFIED REPORT
IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. **Is impoundment designed and constructed in accordance with the approved plan?** YES
2. **Is impoundment free of instability, structural weakness, or any other hazardous conditions?** YES
3. **Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?** YES

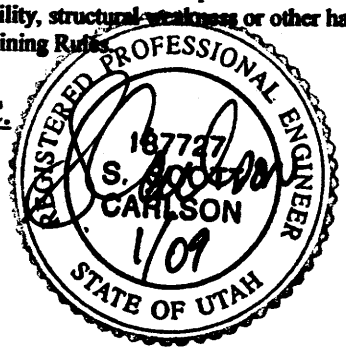
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Coarse Refuse Pile**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Coarse Refuse Pile
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-01

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Annual Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) NO

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

The East Slurry Cell has been decommissioned and the coal refuse material stored therein has been incorporated as part of the Coarse Refuse Pile.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Roty Date: 1/27/09

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

REGISTERED PROFESSIONAL ENGINEER 187727 S. Scott CARLSON 1/09 STATE OF UTAH

Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #1**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Excess Spoil Disposal Area #1
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-04

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Annual Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed during the Year.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nay Date: 1/27/09

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT
CARLSON
1/09
STATE OF UTAH

Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION **Excess Spoil Disposal Area #2**

Report Date	January 20, 2009
Permit Number	C/007/035
Mine Name	Sunnyside Refuse and Slurry
Company Name	Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name	Excess Spoil Disposal Area #2
Pile Number	N/A
MSHA ID Number	1211-UT-09-02093-05

Inspection Date	December 15, 2008
Inspected by	Rusty Netz
Reason for Inspection	Annual Inspection 2008

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

No under-drains or filters area required by the approved plan

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

Approximately 35,439 tons (11557 Q1, 8532 Q2, 7583 Q3, 7767 Q4) of material were placed in this disposal area during the Year.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Both Slurry Ponds 1 & 2 have now been filled. The Clear Water Pond has been included within this Disposal Area. SCA has completed an enlargement of the Pasture Pond and has decommissioned the Clear Water Pond and incorporated the area within this Disposal Area. They can also continue filling the disposal area to the height approved.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Netz Date: 1/27/09

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT
CARLSON
1/09
STATE OF UTAH

Affix Signature, Stamp and Date

APPENDIX B-1
CLIMATOLOGICAL DATA

SUNNYSIDE WEATHER STATION
2008 CLIMATOLOGICAL REPORT

day	July			August			September			October			November			December		
	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip
1	89	62		94	64		69	56	0.5	80	55		64	46		56	35	
2	89	60		95	69		68	43		80	53		55	37	0.63	55	35	
3	91	64		91	67		76	47		77	56		55	37		52	31	
4	91	64		92	66		76	49		71	46	1.1	55	42		46	30	
5	91	65		91	67	0.2	78	50		59	43		44	31		45	27	
6	86	58	0.05	88	60	0.46	78	51	0.3	62	40		45	25		49	30	
7	86	58		72	63		80	52		63	42		46	29		49	32	
8	88	59		79	59		82	55	0.1	68	45		53	30		43	31	
9	90	63		82	58	0.3	83	57	0.05	69	45		54	38		41	27	
10	91	59		83	58	0.23	70	50		71	41		52	35		44	28	
11	90	62		85	57		71	49	0.3	64	47		51	32		48	31	
12	90	61		87	54		67	42	0.1	54	29		55	34		48	32	
13	90	61		88	61		74	46		51	30		56	39		43	30	
14	90	64		86	61		78	53		59	33		57	34		40	18	
15	89	65		86	62		79	53		61	40		54	33		31	19	
16	90	66		79	55		79	53		65	42		56	38		31	23	0.2
17	83	63		78	52		79	55		68	45		61	40		32	20	
18	87	64		85	56		77	54		68	42		61	43		32	25	
19	92	62		86	60		78	53		68	45		60	40		33	23	0.25
20	93	67		86	60		79	55	0.25	68	46	0.1	59	40		34	23	
21	92	64		87	58		75	49		60	43		50	34		33	21	0.13
22	85	63		89	61		75	60		56	31		51	34		35	25	0.4
23	88	62		90	64		70	43		53	33		54	34		31	18	0.35
24	91	64		91	64		80	52		62	39		54	33		31	16	
25	91	65	0.1	90	62		80	52		67	41		52	34		30	24	
26	89	64		86	59		81	55		70	46		51	34		35	23	0.65
27	89	61		87	59		82	57		69	44		46	36		26	11	
28	86	64		88	59		81	56	0.17	68	46		48	36		29	18	
29	91	61		88	61		79	54		70	46		54	32		32	21	
30	92	62		87	59		80	54		69	48		57	38		38	22	
31	92	63		84	58					65	48					37	23	
Total	2772	1940	0.15	2680	1873	1.19	2304	1555	1.77	2035	1330	1.2	1610	1068	0.63	1209	772	1.98
AVG	89.42	62.58		86.45	60.42		76.80	51.83		65.65	42.90		53.67	35.60		39.00	24.90	
AVG DAILY	76.00			73.44			64.32			54.27			44.63			31.95		

AVERAGE HIGH TEMPERATURE	60.52
AVERAGE LOW TEMPERATURE	38.67
TOTAL PRECIPITATION FOR 2008	12.53
AVERAGE MONTHLY PRECIPITATION	1.04

SUNNYSIDE WEATHER STATION
2008 CLIMATOLOGICAL REPORT

day	January			February			March			April			May			June		
	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip
1				27	14		50	28					54	29		78	51	
2				27	11	0.38	45	17		55.2	34.1		58	29		80	51	
3				27	12	0.52	34	13		52	29		57	35		79	52	
4	33	21		30	10		36	19		52	30	0.18	66	40		71	49	0.6
5	39	22		28	5		35	13		54	37		71	46		61	39	
6	35	23		27	9		37	13		55	34		74	47		70	42	
7	29	13		26	10		42	19		56	35	0.35	72	46		74	50	
8	29	10		32	12		43	28		50	29		72	46		65	69	
9	29	20	0.2	40	21		45	28		51	36		62	40		70	41	
10	29	10		40	24		46	26		46	32		62	35		83	49	
11	33	13		42	24		46	25		48	29		69	41		83	46	
12	34	13		43	21		46			53	29		71	46		64	40	
13	33	17		40	22		Machine broken			62	36		57	37		71	43	
14	34	4		35	19	0.65				66	40		64	40		82	49	
15	30	16		36	18					70	56		62	44	tr	86	55	
16	28	0.4		40	18					70	30		73	43		87	57	
17	17	-9		38	14					53	28		80	49		88	60	
18	23	5		36	15					61	35		83	52		88	59	
19	26	9		39	19					67	47		85	56		87	59	
20	24	9		38	24					68	47		85	55		83	56	
21	30	16		39	22					55	33		81	46		86	62	
22	31	14		37	27					62	38		50	36	0.65	87	62	
23	31	14		43	24					63	44		52	37	0.5	88	65	
24	29	16		42	30					60	41		52	36		85	57	
25	28	12		41	22					53	29		60	42	0.6	87	60	
26	33	16		41	22					56	35		62	46	0.2	87	57	
27	32	18	0.26	42	23					59	34		65	40		88	58	
28	33	22		49	28					68	39		69	47		88	61	
29	24	4		48	28					72	45		70	44		88	68	
30	23	14	0.52							72	51		70	45		89	61	
31	22	2											75	53				
Total	821	344.4	0.98	1073	548	1.55	505	229	0.00	1709.2	1062.1	0.53	2083	1328	1.95	2423	1628	0.6
AVG	29.32	12.30		37.00	18.90		42.08	20.82		58.94	36.62		67.19	42.84		80.77	54.27	
AVG DAILY	20.81			27.95			31.45			47.78			55.02			67.52		

temperature in °F
precipitation in inches

APPENDIX B-2
DISPOSAL AREA #2 SOILS TEST RESULTS

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

May 05, 2008

Report to:
Elona Hayward
American West Analytical Labs
463 West 3600 South
Salt Lake City, UT 84115

Bill to:
Beth Henderson
American West Analytical Labs
463 West 3600 South
Salt Lake City, UT 84115

cc: Rebekah Winkler

Project ID: 83337/SCA
ACZ Project ID: L68835

Elona Hayward:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 23, 2008. This project has been assigned to ACZ's project number, L68835. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan, version 12.0. The enclosed results relate only to the samples received under L68835. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after June 05, 2008. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than $10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

Tony Antalek has reviewed and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

American West Analytical Labs
Project ID: 83337/SCA
Sample ID: SPOILS #2 EAST

ACZ Sample ID: ***L68835-01***
Date Sampled: *02/01/08 12:00*
Date Received: *04/23/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	33			t CaCO3/Kt	1	5	05/03/08 11:30	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	31			t CaCO3/Kt	1	5	05/03/08 11:30	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	-2			t CaCO3/Kt	1	5	05/03/08 11:30	calc
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	3.1		*	%	0.1	0.5	04/30/08 9:12	lwt
Solids, Percent	CLPSOW390, PART F, D-98	96.4		*	%	0.1	0.5	04/25/08 8:57	mjc/lwt
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.43		*	%	0.01	0.1	04/30/08 0:00	bjl
Sulfur Pyritic Sulfide		0.27		*	%	0.01	0.1	04/30/08 0:00	bjl
Sulfur Sulfate		0.37		*	%	0.01	0.1	04/30/08 0:00	bjl
Sulfur Total		1.07		*	%	0.01	0.1	04/30/08 0:00	bjl
Total Sulfur minus Sulfate		0.70		*	%	0.01	0.1	04/30/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/24/08 10:52	mjc/lwt
Crush and Pulverize	USDA No. 1, 1972							04/29/08 9:00	mjc

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

American West Analytical Labs
Project ID: 83337/SCA
Sample ID: SPOILS #2 WEST

ACZ Sample ID: ***L68835-02***
Date Sampled: *02/01/08 12:00*
Date Received: *04/23/08*
Sample Matrix: *Soil*

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	30			t CaCO3/Kt	1	5	05/03/08 11:30	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	31			t CaCO3/Kt	1	5	05/03/08 11:30	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	1			t CaCO3/Kt	1	5	05/03/08 11:30	calc
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	3.1		*	%	0.1	0.5	04/30/08 11:25	lwt
Solids, Percent	CLPSOW390, PART F, D-98	96.1		*	%	0.1	0.5	04/25/08 9:00	mjc/lwt
Sulfur Forms	M600/2-78-054 3.2.4								
Sulfur Organic Residual		0.42		*	%	0.01	0.1	04/30/08 0:00	bjl
Sulfur Pyritic Sulfide		0.24		*	%	0.01	0.1	04/30/08 0:00	bjl
Sulfur Sulfate		0.30		*	%	0.01	0.1	04/30/08 0:00	bjl
Sulfur Total		0.96		*	%	0.01	0.1	04/30/08 0:00	bjl
Total Sulfur minus Sulfate		0.66		*	%	0.01	0.1	04/30/08 0:00	bjl

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/24/08 11:00	mjc/lwt
Crush and Pulverize	USDA No. 1, 1972							04/29/08 9:10	mjc

** Please refer to Qualifier Reports for details.*

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calivation Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	Analyte was analyzed for but not detected at the indicated MDL

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(5)	EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
(6)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

American West Analytical Labs

ACZ Project ID: ***L68835***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L68835-01	WG243613	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L68835-02	WG243613	Sulfur Organic Residual	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Total	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Total Sulfur minus Sulfate	M600/2-78-054 3.2.4	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Neutralization Potential as CaCO3	M600/2-78-054 3.2.3
Solids, Percent	CLPSOW390, PART F, D-98
Sulfur Forms	M600/2-78-054 3.2.4

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

American West Analytical Labs
83337/SCA

ACZ Project ID: L68835
Date Received: 4/23/2008
Received By: gac
Date Printed: 4/24/2008

Receipt Verification

	YES	NO	NA
1) Does this project require special handling procedures such as CLP protocol?			X
2) Are the custody seals on the cooler intact?	X		
3) Are the custody seals on the sample containers intact?			X
4) Is there a Chain of Custody or other directive shipping papers present?	X		
5) Is the Chain of Custody complete?	X		
6) Is the Chain of Custody in agreement with the samples received?	X		
7) Is there enough sample for all requested analyses?	X		
8) Are all samples within holding times for requested analyses?	X		
9) Were all sample containers received intact?	X		
10) Are the temperature blanks present?			X
11) Are the trip blanks (VOA and/or Cyanide) present?			X
12) Are samples requiring no headspace, headspace free?			X
13) Do the samples that require a Foreign Soils Permit have one?			X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id		Temp (°C)	Rad (µR/hr)
NA5891		2.6	15

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

American West Analytical Labs
83337/SCA

ACZ Project ID: L68835
Date Received: 4/23/2008
Received By:

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y< 2	YG< 2	B< 2	O < 2	T >12	N/A	RAD	ID
L68835-01	SPOILS #2 EAST									X		■
L68835-02	SPOILS #2 WEST									X		■

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac

American West Analytical Laboratories

Chain of Custody

L68835
Lab Sample Set #

Page 1 of 1

Client: American West Analytical Laboratories
Address: 463 W. 3600 S.
Salt Lake City, UT 84115

Project Name: **SCA**
PO#: **83337**

Contact: Elona Hayward
Phone: (801) 263-8686
Fax : (801) 263-8687
Email: elona@awal-labs.com
rebekah@awal-labs.com

QC Level:
Turn Around Time
Standard

	Sample ID:	Date Sampled	Time	# of Containers	Sample Matrix	Acid Base Accounting	Comments
1	**Spoils #2 East**	2/1/2008	12:00	1		x	
2	**Spoils #2 West**	2/1/2008	12:00	1		x	
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Please contact Rebekah Winkler at AWAL with questions (888) 263-8686.
Samples sent to AZC Labs.
Appropriate Utah state certifications required.

Samples Were:
1. Shipped or hand delivered
2. Ambient or Chilled
3. Temperature
4. Received Broken/Leaking (Improperly Sealed)
5. Properly Preserved
6. Received Within Holding Times?

COC Tape Was:
1. Present on Outer Package
2. Unbroken on Outer Package
3. Present on Sample
4. Unbroken on Sample

Discrepancies Between Sample Labels and COC Record?

Special Instructions: **Include project name and PO# on final report and Invoice. Email results to both Elona and Rebekah.**

Relinquished by: Signature	Date: 4-22-08	Received by: Signature	Date:
Print Name: Elona Hayward	Time: 1400	Print Name: UPS	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 4-23-08
Print Name	Time:	Print Name: Laura Bruton	Time: 8:17

Chemtech-Ford Laboratories

Serving the Intermountain West since 1953

CHEMTECH-FORD Laboratories
6100 South Stratler
Murray, UT 84107
Phone: 801-262-7299
Fax: 801-262-7378

Date: 04/21/08

American West Analytical Labs
attn: Elona Hayward
463 West 3600 South
Salt Lake City, UT 84115

This is the final report for project: 89977
Individual pages or sections of this report may not be separated when using the information for regulatory compliance.

The analyses presented on this report were performed in accordance with National Environmental Laboratory Accreditation Program (NELAP), Section 5.13.

Please feel free to contact us at (801) 262-7299 or (801) 262-7378 (fax) if you have questions or comments regarding this report. Our web site is located at www.chemtechford.com.

Dave Gayer
Laboratory Director
dave@chemtechford.com

Linda Daniels
Customer Representative
linda@chemtechford.com

Approved By: David M Gayer
Dave Gayer, Laboratory Director

Chemtech-Ford Laboratories

Certificate of Analysis

Lab No.: 08 04173
Lab Group No.: 89977

Name:	American West Analytical Labs	***Sample Date:***	2/1/2008 12:00 PM
Sample Site:	Spoils #2 East	***Receipt Date:***	4/8/2008 10:25 AM
Sample ID:	08 04173	***Sampler:***	CLIENT
System No:		***Sample Source:***	
Sample Type:	Solid	***Project:***	Sunnyside Cogen PO# 83337

Parameter	Sample Result	Mimimum Reporting Limit	Units	Method	Analysis Date	Analysis Time	Analyst Initials	Flag
Group A - Inorganic								
Total Kjeldahl Nitrogen as N	6500	830	mg/Kg	EPA 351.4	4/17/2008	12:00	TSM	

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter = 1 part per million.
1 ug/L = one microgram per liter = 1 part per billion.

Flag Descriptions

APH = The test was performed past the EPA specified holding time.
H = A high bias is suspected.
I = The analysis experienced a matrix interference which may have affected the results.
J = The result is positive and estimated. The result falls between the Minimum Reporting Limit and the Method Detection Limit.
L = A low bias is suspected.
O = The analysis was performed by an outside contract laboratory.
R = The value represents a reanalysis.
SPH = The sample was submitted for analysis past the EPA specified holding time.

6100 South Stratler
Murray, UT 84107
801-262-7299 Office
801-262-7378 Fax

Chemtech-Ford Laboratories

Certificate of Analysis

Lab No.: 08 04174
Lab Group No.: 89977

Name:	American West Analytical Labs	***Sample Date:***	2/1/2008 12:00 PM
Sample Site:	Spoils #2 West	***Receipt Date:***	4/8/2008 10:25 AM
Sample ID:	08 04174	***Sampler:***	CLIENT
System No:		***Sample Source:***	
Sample Type:	Solid	***Project:***	Sunnyside Cogen PO# 83337

Parameter	Sample Result	Mimimum Reporting Limit	Units	Method	Analysis Date	Analysis Time	Analyst Initials	Flag
Group A - Inorganic								
Total Kjeldahl Nitrogen as N	6900	830	mg/Kg	EPA 351.4	4/17/2008	12:00	TSM	

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter = 1 part per million.
1 ug/L = one microgram per liter = 1 part per billion.

Flag Descriptions

APH = The test was performed past the EPA specified holding time.
H = A high bias is suspected.
I = The analysis experienced a matrix interference which may have affected the results.
J = The result is positive and estimated. The result falls between the Minimum Reporting Limit and the Method Detection Limit.
L = A low bias is suspected.
O = The analysis was performed by an outside contract laboratory.
R = The value represents a reanalysis.
SPH = The sample was submitted for analysis past the EPA specified holding time.

6100 South Stratler
Murray, UT 84107
801-262-7299 Office
801-262-7378 Fax

Chemtech-Ford Laboratories
Certificate of Analysis

Lab No.: 08 04174
Lab Group No.: 89977

Project Comments:

Both samples in this group (08 04173 and 4174) exhibited an interference during the TKN analysis. To reduce the effect of the interference, multiple dilutions were used. The values reported reflect the lowest dilutions possible without generating additional error by virtue of the dilution itself. Even at this level, some interference was still visible; however, the values were generally reproducible, but with a larger relative error than normal. The results should be interpreted with this in mind.

6100 South Stratler
Murray, UT 84107
801-262-7299 Office
801-262-7378 Fax

American West Analytical Laboratories

Chain of Custody

Client: American West Analytical Laboratories
Address: 463 W. 3600 S.
Salt Lake City, UT 84115
Project Name: **Sunnyside Cogen**
PO#: **83337**

Contact: Elona Hayward
Phone: (801) 263-8686
Fax: (801) 263-8687
Email: elona@awal-labs.com
rebekah@awal-labs.com

QC Level:
Turn Around Time
Standard

	Lab Use Only	Sample ID:	Date Sampled	Time	# of Containers	Sample Matrix	TKN	Comments
1	4173	**Spoils #2 East**	2/1/2008	12:00	1		x	
2	4174	**Spoils #2 West**	2/1/2008	12:00	##		x	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

Please contact Rebekah Winkler at AWAL with questions (888) 263-8686.

Sample sent to Chemtech-Ford

Appropriate Utah state certifications required.

Special Instructions: **Include project name and PO# on final report and Invoice. Email results to both Rebekah and Elona.**

Relinquished by: Signature: Denise Bruun	Date: 4-8-08	Received by: Signature: Ellen E Ford	Date: 4-8-08
Print Name: Denise Bruun	Time: 10:10	Print Name: Ellen C, Ford	Time: 10:10AM
Relinquished by: Signature: Ellen E Ford	Date: 4-8-08	Received by: Signature: Shauna Chapa	Date: 4.8.08
Print Name: Ellen C, Ford	Time: 10:25AM	Print Name: Shauna Chapa	Time: 10:2

SAMPLE RECEIVING CHECKLIST

DATE / TIME: 4.8.08 10:25

RECEIVED BY: SC

Lab ID #s: 4173-74

MATRIX: Water, DW, GW, WW

Soil (Solid) Oil

Sludge: Watery, Solid Other:

Sample/s on ice? (Yes) No

Sample/s Sealed? Yes / (No)

	Laboratory ID #	Bottle Temp: Degrees C	Bottle Prep ID #	Comments (See Below:)
1	4173-74 Z	17	—	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				

Bottle Identification	
Plastic	**Glass**
A- Plastic Unpreserved A1/2, AQ, AP, A1/2pt	D- 625
B- Miscellaneous Plastic	G- Glass Unpreserved
C- Cyanide	H- HAA's
F- Sulfide	J- 508/515/525
M- Metals	O- Oil & Grease
N- Nutrients	P- Phenols
R- Radiologicals	T- TOC/TOX
S- Sludge Cup/Tubs	U- 531
Q- Plastic Bags	V- 524 & THM's
	W- 8260
Special	X- Vial Unpreserved
L- Lab Subsample	Y- 624/504
1,2,3 etc.- Multiples (B1, B2,)	Z- Miscellaneous Glass

Sample Receiving Comments:
1- Preserved in Receiving.
2- Vials submitted with headspace.
3- Sample received past holding time.

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
e-mail: awal@awal-labs.com

April 22, 2008

Rusty Netz
Sunnyside Cogeneration
PO Box 159
Sunnyside, UT 84539

TEL: (435) 888-4476
FAX: (435) 888-2538

RE: SCA

Lab Set ID: L83337

Dear Rusty Netz:

American West Analytical Labs received 2 samples on 4/4/2008 for the analyses presented in the following report.

All analyses were performed in accordance to National Environmental Laboratory Accreditation Program (NELAP) protocols unless noted otherwise. If you have any questions or concerns regarding this report please feel free to call.

Thank you.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Approved by: _____
Laboratory Director or designee

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
e-mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYSIS REPORT

Client: Sunnyside Cogeneration
Project ID: SCA

Contact: Rusty Netz

Lab Sample ID: L83337-01B
Field Sample ID: **Spoils #2 East**
Collected: 2/1/2008 12:00:00 PM
Received: 4/4/2008

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results	
Boron	mg/kg-dry	4/16/2008 4:07:00 PM	6010B	250	< 250	*
Calcium	mg/kg-dry	4/16/2008 4:07:00 PM	6010B	510	**13000**	*
Magnesium	mg/kg-dry	4/16/2008 4:07:00 PM	6010B	510	**3300**	*
Selenium	mg/kg-dry	4/15/2008 10:58:52 PM	6020	4.3	< 4.3	
Sodium	mg/kg-dry	4/16/2008 4:07:00 PM	6010B	510	< 510	*

** The reporting limits were raised due to sample matrix interference.*

INORGANIC ANALYSIS REPORT

Client: Sunnyside Cogeneration
Project ID: SCA

Contact: Rusty Netz

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
e-mail: awal@awal-labs.com

Lab Sample ID: L83337-02B
Field Sample ID: **Spoils #2 West**
Collected: 2/1/2008 12:00:00 PM
Received: 4/4/2008

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Results	
Boron	mg/kg-dry	4/16/2008 4:10:00 PM	6010B	270	< 270	*
Calcium	mg/kg-dry	4/16/2008 4:10:00 PM	6010B	540	13000	*
Magnesium	mg/kg-dry	4/16/2008 4:10:00 PM	6010B	540	3400	*
Selenium	mg/kg-dry	4/15/2008 11:04:16 PM	6020	4.6	< 4.6	
Sodium	mg/kg-dry	4/16/2008 4:10:00 PM	6010B	540	3300	*

** The reporting limits were raised due to sample matrix interference.*

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ANALYTICAL REPORT

Client: Sunnyside Cogeneration
Project ID:: SCA

Contact: Rusty Netz

AMERICAN WEST ANALYTICAL LABORATORIES

Lab Sample ID: L83337-01A
Field Sample ID: **Spoils #2 East**
Collected: 2/1/2008 12:00:00 PM
Received: 4/4/2008

Analyzed: 4/5/2008 8:30:00 PM

Analysis Requested: USC

	Result	USC
Uniform Soil Classification	GP-GM - Poorly graded gravel with silt and sand	H

H - Sample was received outside of holding time.

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
e-mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ANALYTICAL REPORT

Client: Sunnyside Cogeneration
Project ID:: SCA

Contact: Rusty Netz

Lab Sample ID: L83337-02A
Field Sample ID: **Spoils #2 West**
Collected: 2/1/2008 12:00:00 PM
Received: 4/4/2008

Analyzed: 4/5/2008 8:00:00 PM

Analysis Requested: USC

Result		USC
Uniform Soil Classification	GP-GM - Poorly graded gravel with silt and sand	H

H - Sample was received outside of holding time.

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
e-mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYSIS REPORT

Client: Sunnyside Cogeneration
Project ID: SCA

Contact: Rusty Netz

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
e-mail: awal@awal-labs.com

Lab Sample ID: L83337-01
Field Sample ID: **Spoils #2 East**
Collected: 2/1/2008 12:00:00 PM
Received: 4/4/2008

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	4/6/2008 11:00:00 AM	9050A	10	3300	*H
Nitrate (as N)	mg/kg-dry	4/9/2008 9:12:00 AM	353.2	0.010	0.57	H
Nitrate/Nitrite (as N)	mg/kg-dry	4/9/2008 9:12:00 AM	353.2	0.010	0.63	H
pH @ 25° C	pH units	4/4/2008 6:45:00 PM	9045D	1.00	7.27	H
SAR		4/16/2008		0.010	1.4	
Total Nitrogen (as N)	mg/kg-dry	4/22/2008		0.10	6800	H #
Total Volatile Solids	% of TS	4/7/2008 2:30:00 PM	160.4	0.010	18	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*
 # Total Nitrogen is a summary of AWAL and subcontracted data.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYSIS REPORT

Client: Sunnyside Cogeneration
Project ID: SCA

Contact: Rusty Netz

AMERICAN WEST ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
e-mail: awal@awal-labs.com

Lab Sample ID: L83337-02
Field Sample ID: **Spoils #2 West**
Collected: 2/1/2008 12:00:00 PM
Received: 4/4/2008

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	
Conductivity	µmhos/cm	4/6/2008 11:00:00 AM	9050A	10	3300	*H
Nitrate (as N)	mg/kg-dry	4/9/2008 9:12:00 AM	353.2	0.010	0.42	H
Nitrate/Nitrite (as N)	mg/kg-dry	4/9/2008 9:12:00 AM	353.2	0.010	0.51	H
pH @ 25° C	pH units	4/4/2008 6:45:00 PM	9045D	1.00	7.38	H
SAR		4/16/2008		0.010	1.1	
Total Nitrogen (as N)	mg/kg-dry	4/22/2008		0.10	7200	H #
Total Volatile Solids	% of TS	4/7/2008 2:30:00 PM	160.4	0.010	20	H

H - Sample was received outside of holding time.
**Analysis is performed on a 1:1 DI water extract for soils.*
 # Total Nitrogen is a summary of AWAL and subcontracted data.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Labs

VISED 4-22-08 acid base acct, sent out to me

WORK ORDER Summary

22-Apr-08

Work Order L83337

Client ID: SUN100 **QC Level:** QC 1

Project: SCA **Location:** --

Contact: Rusty Netz

Comments: QCLevel: QC 1 / Footnote report, WC parameters received outside of hold. Sample is also for Acid Based Acct. Sample for Sulfur sent to Timpview, sample for

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Storage	
L83337-01A	Spoils #2 East	2/1/2008 12:00;00 PM	4/4/2008	4/25/2008	Soil	COND-A-S	apr 4 - wc/share	1
				4/25/2008		PH-9045D	apr 4 - wc/share	1
				4/25/2008		SAR-S	apr 4 - wc/share	1
				4/25/2008		Soil_Prep	apr 4 - wc/share	1
				4/25/2008		TVS-S	apr 4 - wc/share	1
				4/25/2008		USC	apr 4 - wc/share	1
L83337-01B				4/25/2008		3051A-ICPMS	apr 4 - wc/share	1
				4/25/2008		6020-S	apr 4 - wc/share	1
				4/25/2008		ICP-S	apr 4 - wc/share	1
				4/25/2008		NO2/NO3-S	apr 4 - wc/share	1
				4/25/2008		NO3-S	apr 4 - wc/share	1
				4/25/2008		PMOIST	apr 4 - wc/share	1
				4/25/2008		Soil_Prep	apr 4 - wc/share	1
				4/25/2008		TOTAL NITROGEN	apr 4 - wc/share	1
L83337-01C				4/25/2008		SHIPPR	timpview-sulfur	1
				4/25/2008		SUB-SULFUR	timpview-sulfur	1
L83337-01D				4/25/2008		OUTSIDE LAB	chemtech-tkn	1
L83337-01E				4/25/2008		OUTSIDE LAB	azo labs	1
L83337-02A	Spoils #2 West			4/25/2008		COND-A-S	apr 4 - wc/share	1
				4/25/2008		PH-9045D	apr 4 - wc/share	1
				4/25/2008		SAR-S	apr 4 - wc/share	1
				4/25/2008		Soil_Prep	apr 4 - wc/share	1
				4/25/2008		TVS-S	apr 4 - wc/share	1
				4/25/2008		USC	apr 4 - wc/share	1
L83337-02B				4/25/2008		3051A-ICPMS	apr 4 - wc/share	1
				4/25/2008		6020-S	apr 4 - wc/share	1
				4/25/2008		ICP-S	apr 4 - wc/share	1

WORK ORDER Summary

22-Apr-08

Work Order L83337

Client ID: SUN100 **QC Level:** QC 1

Project: SCA **Location:**

Contact: Rusty Netz

Comments: QCLevel: QC 1 / Footnote report, WC parameters received outside of hold. Sample is also for Acid Based Acct. Sample for Sulfur sent to Timpview, sample for

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Storage	
L83337-02B	Spoils #2 West	2/1/2008 12:00:00 PM	4/4/2008	4/25/2008	Soil	NO2/NO3-S	apr 4 - wc/share	1
				4/25/2008		NO3-S	apr 4 - wc/share	1
				4/25/2008		PMOIST	apr 4 - wc/share	1
				4/25/2008		Soil_Prep	apr 4 - wc/share	1
				4/25/2008		TOTAL NITROGEN	apr 4 - wc/share	1
L83337-02C				4/25/2008		SHIPPR	timpview-sulfur	1
				4/25/2008		SUB-SULFUR	timpview-sulfur	1
L83337-02D				4/25/2008		OUTSIDE LAB	chemtech-tkn	1
L83337-02E				4/25/2008		OUTSIDE LAB	azc labs	1

American West Analytical Labs

WORK ORDER Summary

07-Apr-08

Work Order L83337

Client ID: SUN100 **QC Level:** QC 1

Project: SCA **Location:** **Contact:** Rusty Netz

Comments: QCLevel: QC 1 / Footnote report, WC parameters received outside of hold. Sample is also for Acid Based Acct. Sample for Sulfur sent to Timpview, sample for

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Storage	
L83337-01A	Spoils #2 East	2/1/2008 12:00:00 PM	4/4/2008	4/18/2008	Soil	ACID-BASE ACCT.	apr 4 - wc/share	1
				4/18/2008		COND-A-S	apr 4 - wc/share	1
				4/18/2008		PH-9045D	apr 4 - wc/share	1
				4/18/2008		SAR-S	apr 4 - wc/share	1
				4/18/2008		Soil_Prep	apr 4 - wc/share	1
				4/18/2008		TVS-S	apr 4 - wc/share	1
				4/18/2008		USC	apr 4 - wc/share	1
L83337-01B				4/18/2008		3051A-ICPMS	apr 4 - wc/share	1
				4/18/2008		6020-S	apr 4 - wc/share	1
				4/18/2008		ICP-S	apr 4 - wc/share	1
				4/18/2008		NO2/NO3-S	apr 4 - wc/share	1
				4/18/2008		NO3-S	apr 4 - wc/share	1
				4/18/2008		PMOIST	apr 4 - wc/share	1
				4/18/2008		Soil_Prep	apr 4 - wc/share	1
				4/18/2008		TOTAL NITROGEN	apr 4 - wc/share	1
L83337-01C				4/18/2008		SHIPPR	timpview-sulfur	1
				4/18/2008		SUB-SULFUR	timpview-sulfur	1
L83337-01D				4/18/2008		OUTSIDE LAB	chemtech-tkn	1
L83337-02A	Spoils #2 West			4/18/2008		ACID-BASE ACCT.	apr 4 - wc/share	1
				4/18/2008		COND-A-S	apr 4 - wc/share	1
				4/18/2008		PH-9045D	apr 4 - wc/share	1
				4/18/2008		SAR-S	apr 4 - wc/share	1
				4/18/2008		Soil_Prep	apr 4 - wc/share	1
				4/18/2008		TVS-S	apr 4 - wc/share	1
				4/18/2008		USC	apr 4 - wc/share	1
L83337-02B				4/18/2008		3051A-ICPMS	apr 4 - wc/share	1
				4/18/2008		6020-S	apr 4 - wc/share	1

WORK ORDER Summary

07-Apr-08

Work Order L83337

Client ID: SUN100 **QC Level:** QC 1

Project: SCA **Location:** **Contact:** Rusty Netz

Comments: QCLevel: QC 1 / Footnote report, WC parameters received outside of hold. Sample is also for Acid Based Acct. Sample for Sulfur sent to Timpview, sample for

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Storage	
L83337-02B	Spoils #2 West	2/1/2008 12:00:00 PM	4/4/2008	4/18/2008	Soil	ICP-S	apr 4 - wc/share	1
				4/18/2008		NO2/NO3-S	apr 4 - wc/share	1
				4/18/2008		NO3-S	apr 4 - wc/share	1
				4/18/2008		PMOIST	apr 4 - wc/share	1
				4/18/2008		Soil_Prep	apr 4 - wc/share	1
				4/18/2008		TOTAL NITROGEN	apr 4 - wc/share	1
L83337-02C				4/18/2008		SHIPPR	timpview-sulfur	1
				4/18/2008		SUB-SULFUR	timpview-sulfur	1
L83337-02D				4/18/2008		OUTSIDE LAB	chemtech-tkn	1

American West Analytical

CHAIN OF CUSTODY

COMPANY: SunnySide Coach
ADDRESS: #1 Power Plant Road
CITY/STATE/ZIP: SunnySide UT
PHONE #: 435-888-4476 FAX: 888-2538
CONTACT: Rusty Netz
PROJECT: SCA SYSTEM #:

BILLING ADDRESS: Same
BILLING CITY/STATE/ZIP:
PURCHASE ORDER #:
TURNAROUND REQUIRED:* Normal
* Expedited turnaround subject to additional charge

☐ Mark 'X' here if you want a copy sent to DEQ Division of Drinking Water.

83337

LAB ID#	SAMPLE LOCATION	SAMPLE DATE	SAMPLE TIME	Number of Containers	MATRIX: Drinking Water	Waste Water	Water	Ground Water	Soil	Other Solid	Sludge [Liquid]	Sludge [Solid]	Oil	Solvent	Other: [specify]	ANALYTICAL TESTS REQUESTED
	1. Spoils #2 East	2/1/08	Noon						X							Acid base accounting SAR Sulfur Total metals USC Inorganic
	2. " " " West	2/1/08	Noon						X							
	3.															
	4.															
	5.															
	6.															
	7.															
	8.															
	9.															
	10.															

See sampling you did on May 9, 2007 for SUNNYSIDE

Sampled by: [print]
Sampled by: [signature]
ON ICE NOT ON ICE

Special Instructions: Sent out Acid base Acct. 4-22-08, per Kyle

Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Rusty Netz	4/3/08/1200		
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
			4/4/08 1015

CHEMTECH-FORD 6100 South Stratler Ave. (380 West) Murray, UT 84107 Phone: 801-262-7299 FAX: 801-262-7378 www.chemtechford.com

WHITE: Original YELLOW: File PINK: Customer

14.4'

Rebekah Winkler

From: Pat Noteboom
Sent: Thursday, June 08, 2006 10:39 AM
To: Lynn Turner
Cc: AWAL-MGT; AWAL-Office
Subject: RE: Phone call: Please call Rusty Metz @ Sunnyside Power plant in Carbon 435-888-4476 x 107

Randy will soon send us his three samples. We'll send the sulfur out to Timpview. The rest we can do here. The Acid Neutralizing Pot., Acid Based Acct. and total and AP Sulfur are all part of Acid Base Accounting on our price list for $150. Fortunately, CEC is conspicuously absent from his list.

-----Original Message-----
From: Lynn Turner
Sent: Thursday, June 08, 2006 9:28 AM
To: Pat Noteboom
Subject: Phone call: Please call Rusty Metz @ Sunnyside Power plant in Carbon 435-888-4476 x 107

He's got a list of soil perameters that we'd have to send out....they include
✓pH,
Acid Nuetralizing Pot. ←
✓Conductivity
✓% sand, clay, silt] USC ✓
Texture (USC??)
✓Total Ca, Se, boron, Mg
Acid Based Acct. ←
✓Sulphur- total and AP ← —— Acid Base Accounting $150
✓Nitrate
✓Total Nitrogen ← TKN ✓ + NO2/NO3
✓TOC on soil??? ← TVS ok per Rusty
✓SAR

pyritic

[redacted]

Summer

Test for these Parameters Please

June 04, 2004

Sunnyside Operations
P.O. Box 159
#1 Power Plant Road
Sunnyside, UT 84539
USA

Client Sample ID: SW
Date Received: 05/12/2004
Matrix: Soil

Project Name/#: Reject Samples

SGS Sample ID: 072-9346-004

Analyte	Result
pH	7.72 s.u.
Neutralization Potential	140 t/1000t
Conductivity	7.39 mmhos/cm
Sand	82 %
Calcium, Soluble	58.5 meq/L
Carbon, Total Organic	11.8 %
Sulfur, [illegible]	[illegible] t/1000t
Acid Base Potential	90.9 t/1000t
Sulfur, Total	1.57 %
Nitrogen, Nitrate	5.32 ppm
Selenium, Hot Water	0.09 ppm
Boron, Total	1.05 ppm
Nitrogen, Total	0.14 %
Silt	10 %
Magnesium, Soluble	66.4 meq/L
Clay	8 %
Sodium, Soluble	38.2 meq/L
Texture Class	Loamy Sand
Sodium Absorption Ratio	4.88

Dave

MEMBER RCIL

Respectfully submitted,
SGS NORTH AMERICA INC.

Kristie Bell

Denver Laboratory

SGS North America Inc. | Minerals Services Division
4665 Paris Street, Suite B-200, Denver, CO 80239 t (303) 373-4572 f (303) 373-4791 www.sgs.com

* example *

American West Analytical Labs

WORK ORDER Summary

25-Apr-07

Work Order L77459

Client ID: SUN100 **QC Level:** 1

Project: D06M **Location:** Hold **Contact:** Rusty Netz

Comments: QCLevel: 1. Sulfur sent to Timpview. Also for Acid Base Accounting. Footnote report, wetchem received outside of hold.

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Storage	
L77459-01A	North	12/14/2006	4/25/2007	5/9/2007	Solid	COND-A-S	apr 25 - wc	1
				5/9/2007		PH-9045D	apr 25 - wc	1
				5/9/2007		SAR-S	apr 25 - wc	1
				5/9/2007		Soil_Prep	apr 25 - wc	1
				5/9/2007		TVS-S	apr 25 - wc	1
				5/9/2007		USC	apr 25 - wc	1
L77459-01B				5/9/2007		3051A-ICPMS	apr 25 - wc	1
				5/9/2007		6020-S	apr 25 - wc	1
				5/9/2007		ICP-S	apr 25 - wc	1
				5/9/2007		NO2/NO3-S	apr 25 - wc	1
				5/9/2007		NO3-S	apr 25 - wc	1
				5/9/2007		PMOIST	apr 25 - wc	1
				5/9/2007		Soil_Prep	apr 25 - wc	1
				5/9/2007		TKN-S	apr 25 - wc	1
				5/9/2007		TKN-S_Prep	apr 25 - wc	1
				5/9/2007		TOTAL NITROGEN	apr 25 - wc	1
L77459-01C				5/9/2007		SHIPPR	Timpview	1
				5/9/2007		SUB-SULFUR	Timpview	1
L77459-02A	South			5/9/2007		COND-A-S	apr 25 - wc	1
				5/9/2007		PH-9045D	apr 25 - wc	1
				5/9/2007		SAR-S	apr 25 - wc	1
				5/9/2007		Soil_Prep	apr 25 - wc	1
				5/9/2007		TVS-S	apr 25 - wc	1
				5/9/2007		USC	apr 25 - wc	1
L77459-02B				5/9/2007		3051A-ICPMS	apr 25 - wc	1
				5/9/2007		6020-S	apr 25 - wc	1
				5/9/2007		ICP-S	apr 25 - wc	1

77459

APPENDIX B-3
WATER MONITORING

APPENDIX B-3
WATER MONITORING

FIRST QUARTER

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

April 23, 2008

Darron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

Subject: Quarterly Sampling Report
Monitoring Period: January, February, March 2008
DOGM Operational Water Monitoring

Dear Darron:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Ramiro Garcia
Paul Shepard
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: First Quarter 2008
Samples taken March 19, 2008

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	NA	NA	NA	NA	NA	NA
Columbia Dugway Spring	F-2	1.1	8.33	1746	11	25	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	1.2	8.13	5520	11	20	2
Dragerton Well	Well-1	NA	NA	NA	NA	NA	NA
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:
na - no flow
NW- no water present
NW/F- no water present frozen
nd - data is not available due to lack of discharge
1- Flow rates were measured using a weir.
2 - Flow rates were measured using a calibrated container and stopwatch method.
3 - Flow rates were measured using the floating debris method.
4 - Flow rates were measured using a meter

SGS

APR 11 2008

April 7, 2008

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:F2

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by Richard Safley

Date sampled March 19, 2008

Date received March 20, 2008

RECEIVED 1130
SAMPLED 0900
FIELD MEASUREMENTS
FLOW 25 TEMP 1.1
COND 1746 pH 8.33
D.O. 11.0
pH EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-30969

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst
Alkalinity, Bicarbonate	412	5	mg/l as $CaCO_3$	SM2320-B	03-24-2008 1715 CDM
Alkalinity, Carbonate	40	5	mg/l as $CaCO_3$	SM2320-B	03-24-2008 1715 CDM
Alkalinity, Total	451	5	mg/l as $CaCO_3$	SM2320-B	03-24-2008 1715 CDM
Anions	21.7	----	meq/l	----------	04-03-2008 0815 SJ
Calcium, Dissolved	93.22	0.03	mg/l	EPA 200.7	03-27-2008 1520 DI
Cations	21.3	----	meq/l	----------	04-03-2008 0815 SJ
Chloride	40	1	mg/l	EPA 300.0	03-24-2008 2259 DI
Hardness, Total	673	----	mg/l as $CaCO_3$	SM2340-B	04-03-2008 0815 SJ
Iron, Total	0.15	0.050	mg/l	EPA 200.7	03-25-2008 1325 GF
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	03-27-2008 1520 DI
Magnesium, Dissolved	106.94	0.01	mg/l	EPA 200.7	03-27-2008 1520 DI
Manganese, Total	0.016	0.002	mg/l	EPA 200.7	03-25-2008 1325 GF
Manganese, Dissolved	0.011	0.002	mg/l	EPA 200.7	03-27-2008 1520 DI
Oil & Grease	<2	2	mg/l	EPA 413.1	04-01-2008 0830 GF
pH	8.31	----	pH units	SM4500-H+	03-20-2008 1218 CDM
pH Sample Temp.	14.5	----	Deg C	SM4500-H+	03-20-2008 1218 CDM
Potassium, Dissolved	3.57	0.14	mg/l	EPA 200.7	03-27-2008 1520 DI
Sodium, Dissolved	178.89	0.09	mg/l	EPA 200.7	03-27-2008 1520 DI
Solids, Settleable	<0.1	0.1	ml/l	SM2540-F	03-20-2008 1230 CDM
Solids, Total Dissolved	1300	30	mg/l	SM2540-C	03-25-2008 1230 CDM
Solids, Total Suspended	<5	5	mg/l	SM2540-D	03-25-2008 1230 CDM
Sulfate	556	1	mg/l	EPA 300.0	03-24-2008 2259 DI
Cation/Anion Balance	-0.9	----	%		04-03-2008 0815 SJ

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

APR 11 2008

April 4, 2008

Sunnyside Cogeneration Assoc.
P.O. Box 10
East Carbon Utah 84520

Sample identification by
Sunnyside Cogeneration Assoc.

ID:CRB

Kind of sample reported to us Water

Sample taken at Sunnyside Cogeneration

Sample taken by Richard Safley

Date sampled March 19, 2008

Date received March 20, 2008

RECEIVED 1130
SAMPLED 0830
FIELD MEASUREMENTS
FLOW 20 TEMP 1.2
COND 5520 pH 8.13
D.O. 11.0
pH EXPIRED WHEN RECEIVED
DIS.METALS
FILTERED @ LAB

Analysis report no. 59-30968

Parameter	Result	MRL	Units	Method	Analyzed Date/Time/Analyst	
Alkalinity, Bicarbonate	383	5	mg/l as $CaCO_3$	SM2320-B	03-24-2008 1715	CDM
Alkalinity, Carbonate	<5	5	mg/l as $CaCO_3$	SM2320-B	03-24-2008 1715	CDM
Alkalinity, Total	383	5	mg/l as $CaCO_3$	SM2320-B	03-24-2008 1715	CDM
Anions	83.8	----	meq/l	---------	04-03-2008 0915	DI
Calcium, Dissolved	438.11	0.03	mg/l	EPA 200.7	03-27-2008 1520	DI
Cations	79.5	----	meq/l	---------	04-03-2008 0915	DI
Chloride	138	1	mg/l	EPA 300.0	03-24-2008 2127	DI
Hardness, Total	2733	----	mg/l as $CaCO_3$	SM2340-B	04-03-2008 0915	DI
Iron, Total	<0.05	0.050	mg/l	EPA 200.7	03-25-2008 1320	GF
Iron, Dissolved	<0.03	0.030	mg/l	EPA 200.7	03-27-2008 1520	DI
Magnesium, Dissolved	397.94	0.01	mg/l	EPA 200.7	03-27-2008 1520	DI
Manganese, Total	0.066	0.002	mg/l	EPA 200.7	03-25-2008 1320	GF
Manganese, Dissolved	0.066	0.002	mg/l	EPA 200.7	03-27-2008 1520	DI
Oil & Grease	<2	2	mg/l	EPA 413.1	04-01-2008 0830	GF
pH	8.06	----	pH units	SM4500-H+	03-20-2008 1215	CDM
pH Sample Temp.	14.8	----	Deg C	SM4500-H+	03-20-2008 1215	CDM
Potassium, Dissolved	35.86	0.14	mg/l	EPA 200.7	03-27-2008 1520	DI
Sodium, Dissolved	551.01	0.09	mg/l	EPA 200.7	03-27-2008 1520	DI
Solids, Settleable	<0.1	0.1	ml/l	SM2540-F	03-20-2008 1230	CDM
Solids, Total Dissolved	5772	30	mg/l	SM2540-C	03-25-2008 1230	CDM
Solids, Total Suspended	<5	5	mg/l	SM2540-D	03-25-2008 1230	CDM
Sulfate	3471	1	mg/l	EPA 300.0	03-24-2008 2127	DI
Cation/Anion Balance	-2.7	----	%		04-03-2008 0915	DI

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

APPENDIX B-3
WATER MONITORING

SECOND QUARTER

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

July 14, 2008

Darron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

Subject: Quarterly Sampling Report
Monitoring Period: April, May, June 2008
DOGM Operational Water Monitoring

Dear Darron:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

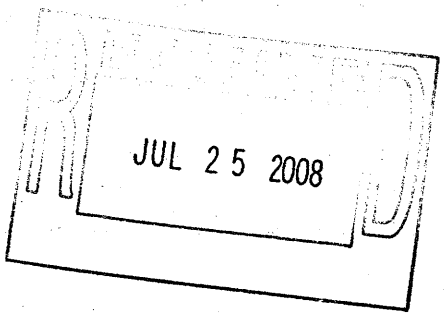
DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: Second Quarter 2008
Samples taken June 17, 2008

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	13.2	8.38	1941	11	20	2
Columbia Dugway Spring	F-2	11.5	8.4	1941	10.7	100	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	13.6	8.06	6190	5.9	20	2
Dragerton Well	Well-1	11.9	8.65	543	11	150	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:
na - no flow
NW- no water present
NW/F- no water present frozen
nd - data is not available due to lack of discharge
1- Flow rates were measured using a weir.
2 - Flow rates were measured using a calibrated container and stopwatch method.
3 - Flow rates were measured using the floating debris method.
4 - Flow rates were measured using a meter

Analysis Report

SGS



July 22, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	CRB
Date Sampled:	Jun 17, 2008
Date Received:	Jun 18, 2008
Product Description:	WATER

Sample ID By	Sunnyside Cogeneration Assoc.
Sample Taken At	CRB
Sample Taken By	R.N.
Time Sampled	08:20
Time Received	10:30
Mine	27
Site	9
Field - Flow	20 GPM
Field - Conductivity	6190 UMHOS/CM
Field - Dis. Oxygen	5.9 MG/L
Field - Temperature	13.6 DEG. C
Field - pH	8.06 pH UNITS

Comments: Dissolved Metals Filtered at Lab
pH Expired When Recieved;
AMMENDED U.O.M. FOR SS

SGS Minerals Sample ID: 782-0800363-001

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
Oil and Grease, (HEM)	<5 mg/L	EPA 1664	5	07/01/2008	09:15	DI
Chloride, Cl	130 mg/L	EPA 300.0	1	06/24/2008	18:10	DI
Sulfate, SO4	3822 mg/L	EPA 300.0	1	06/24/2008	18:10	DI
Anions	87.80 meq/L	SM1030	0	07/02/2008	14:13	SJ
Cations	90.60 meq/L	SM1030	0	07/02/2008	14:15	SJ
Balance	1.60 %	SM1030	-10	07/02/2008	14:15	SJ
Alkalinity, mg CaCO3/L (pH 4.5)	230 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Bicarbonate Alkalinity as CaCO3	230 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Carbonate Alkalinity as CaCO3	<5 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Hardness, mg equivalent CaCO3/L	2969 mg/L	SM2340-B	1	07/02/2008	14:16	SJ
Total Dissolved Solids	6460 mg/L	SM2540-C	30	06/19/2008	12:30	CM
Total Suspended Solids	<5 mg/L	SM2540-D	5	06/19/2008	12:30	CM
Settleable Solids	<0.1 mL/L	SM2540-F a	0.1	06/18/2008	15:00	GF
pH	8.23 s. u.	SM4500-H	0.01	06/18/2008	12:28	CM
pH Temperature	19.80 °C	SM4500-H	0.01	06/18/2008	12:28	CM
METALS BY ICP						
Calcium, Ca - Dissolved	462.34 mg/L	EPA 200.7	0.03	06/24/2008	21:11	GF
Iron, Fe - Total	<0.05 mg/L	EPA 200.7	0.05	06/25/2008	19:07	CM

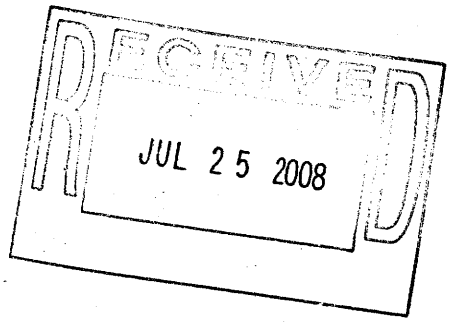
Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

July 22, 2008



SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	CRB
Date Sampled:	Jun 17, 2008
Date Received:	Jun 18, 2008
Product Description:	WATER

Sample ID By	Sunnyside Cogeneration Assoc.
Sample Taken At	CRB
Sample Taken By	R.N.
Time Sampled	08:20
Time Received	10:30
Mine	27
Site	9
Field - Flow	20 GPM
Field - Conductivity	6190 UMHOS/CM
Field - Dis. Oxygen	5.9 MG/L
Field - Temperature	13.6 DEG. C
Field - pH	8.06 pH UNITS

Comments: Dissolved Metals Filtered at Lab
pH Expired When Recieved;
AMMENDED U.O.M. FOR SS

SGS Minerals Sample ID: 782-0800363-001

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)						
Iron, Fe - Dissolved	<0.03 mg/L	EPA 200.7	0.03	06/24/2008	21:11	GF
Magnesium, Mg - Dissolved	440.60 mg/L	EPA 200.7	0.01	06/24/2008	21:11	GF
Manganese, Mn - Total	0.007 mg/L	EPA 200.7	0.002	06/25/2008	19:07	CM
Manganese, Mn - Dissolved	<0.002 mg/L	EPA 200.7	0.002	06/24/2008	21:11	GF
Potassium, K - Dissolved	42.48 mg/L	EPA 200.7	0.14	06/24/2008	21:11	GF
Sodium, Na - Dissolved	694.28 mg/L	EPA 200.7	0.09	06/24/2008	21:11	GF

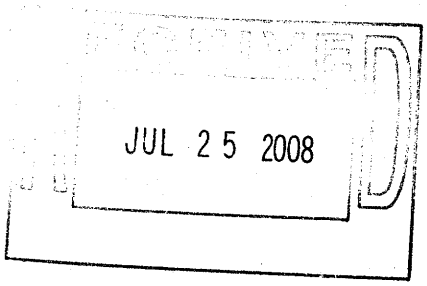
Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

July 22, 2008



SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	ICE-1
Date Sampled:	Jun 17, 2008
Date Received:	Jun 18, 2008
Product Description:	WATER

Sample ID By	Sunnyside Cogeneration Assoc.
Sample Taken At	ICE-1
Sample Taken By	R.N.
Time Sampled	08:50
Time Received	10:30
Mine	27
Site	12
Field - Flow	20 GPM
Field - Conductivity	1941 UMHOS/CM
Field - Dis. Oxygen	11.0 MG/L
Field - Temperature	13.2 DEG. C
Field - pH	8.38 pH UNITS

Comments: Dissolved Metals Filtered at Lab
pH Expired When Recieved
AMMENDED U.O.M. FOR SS

SGS Minerals Sample ID: 782-0800363-002

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
Oil and Grease, (HEM)	<5 mg/L	EPA 1664	5	06/25/2008	09:00	DI
Chloride, Cl	45 mg/L	EPA 300.0	1	06/24/2008	18:10	DI
Sulfate, SO4	647 mg/L	EPA 300.0	1	06/24/2008	18:10	DI
Anions	21.50 meq/L	SM1030	0	07/02/2008	14:13	SJ
Cations	23.70 meq/L	SM1030	0	07/02/2008	14:15	SJ
Balance	4.80 %	SM1030	-10	07/02/2008	14:15	SJ
Alkalinity, mg CaCO3/L (pH 4.5)	338 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Bicarbonate Alkalinity as CaCO3	309 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Carbonate Alkalinity as CaCO3	30 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Hardness, mg equivalent CaCO3/L	733 mg/L	SM2340-B	1	07/02/2008	14:16	SJ
Total Dissolved Solids	1417 mg/L	SM2540-C	30	06/19/2008	12:30	CM
Total Suspended Solids	29 mg/L	SM2540-D	5	06/19/2008	12:30	CM
Settleable Solids	<0.1 mL/L	SM2540-F a	0.1	06/18/2008	15:00	GF
pH	8.49 s. u.	SM4500-H	0.01	06/18/2008	12:28	CM
pH Temperature	19.30 °C	SM4500-H	0.01	06/18/2008	12:28	CM
METALS BY ICP						
Calcium, Ca - Dissolved	94.27 mg/L	EPA 200.7	0.03	06/24/2008	21:11	GF
Iron, Fe - Total	0.24 mg/L	EPA 200.7	0.05	06/25/2008	19:07	CM

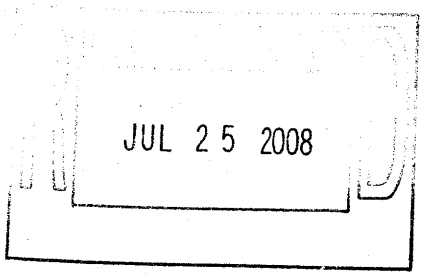
Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

July 22, 2008



SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	ICE-1
Date Sampled:	Jun 17, 2008
Date Received:	Jun 18, 2008
Product Description:	WATER

Sample ID By	Sunnyside Cogeneration Assoc.
Sample Taken At	ICE-1
Sample Taken By	R.N.
Time Sampled	08:50
Time Received	10:30
Mine	27
Site	12
Field - Flow	20 GPM
Field - Conductivity	1941 UMHOS/CM
Field - Dis. Oxygen	11.0 MG/L
Field - Temperature	13.2 DEG. C
Field - pH	8.38 pH UNITS

Comments: Dissolved Metals Filtered at Lab
pH Expired When Recieved
AMMENDED U.O.M. FOR SS

SGS Minerals Sample ID: 782-0800363-002

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)						
Iron, Fe - Dissolved	<0.03 mg/L	EPA 200.7	0.03	06/24/2008	21:11	GF
Magnesium, Mg - Dissolved	120.90 mg/L	EPA 200.7	0.01	06/24/2008	21:11	GF
Manganese, Mn - Total	0.005 mg/L	EPA 200.7	0.002	06/25/2008	19:07	CM
Manganese, Mn - Dissolved	<0.002 mg/L	EPA 200.7	0.002	06/24/2008	21:11	GF
Potassium, K - Dissolved	4.15 mg/L	EPA 200.7	0.14	06/24/2008	21:11	GF
Sodium, Na - Dissolved	205.42 mg/L	EPA 200.7	0.09	06/24/2008	21:11	GF

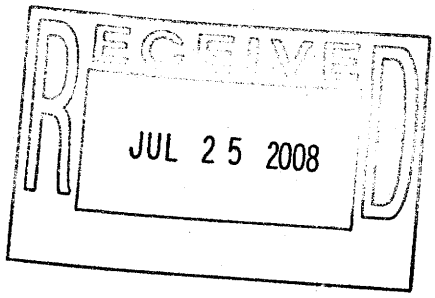
Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

July 22, 2008



SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	Well-1
Date Sampled:	Jun 17, 2008
Date Received:	Jun 18, 2008
Product Description:	WATER

Sample ID By	Sunnyside Cogeneration Assoc.
Sample Taken At	WELL-1`
Sample Taken By	R.N.
Time Sampled	09:40
Time Received	10:30
Mine	27
Site	8
Field - Flow	150 GPM
Field - Conductivity	543 UMHOS/CM
Field - Dis. Oxygen	11.0 MG/L
Field - Temperature	11.9 DEG. C
Field - pH	8.65 pH UNITS

Comments: Dissolved Metals Filtered at Lab
pH Expired When Recieved
AMMENDED ALKALINITY TOTAL AND U.O.M. FOR SS

SGS Minerals Sample ID: 782-0800363-003

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
Oil and Grease, (HEM)	<5 mg/L	EPA 1664	5	06/25/2008	09:00	DI
Chloride, Cl	2 mg/L	EPA 300.0	1	06/24/2008	18:10	DI
Sulfate, SO4	67 mg/L	EPA 300.0	1	06/24/2008	18:10	DI
Anions	6.00 meq/L	SM1030	0	07/08/2008	12:40	SJ
Cations	6.40 meq/L	SM1030	0	07/08/2008	12:40	SJ
Balance	3.00 %	SM1030	-10	07/08/2008	12:40	SJ
Alkalinity, mg CaCO3/L (pH 4.5)	226 mg/L	SM2320-B	5	07/02/2008	15:30	GF
Bicarbonate Alkalinity as CaCO3	226 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Carbonate Alkalinity as CaCO3	<5 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Hardness, mg equivalent CaCO3/L	261 mg/L	SM2340-B	1	07/08/2008	12:40	SJ
Total Dissolved Solids	330 mg/L	SM2540-C	30	06/19/2008	12:30	CM
Total Suspended Solids	21 mg/L	SM2540-D	5	06/19/2008	12:30	CM
Settleable Solids	<0.1 mL/L	SM2540-F a	0.1	06/18/2008	15:00	GF
pH	8.60 s. u.	SM4500-H	0.01	06/18/2008	12:28	CM
pH Temperature	19.30 °C	SM4500-H	0.01	06/18/2008	12:28	CM
METALS BY ICP						
Calcium, Ca - Dissolved	43.47 mg/L	EPA 200.7	0.03	06/24/2008	21:11	GF
Iron, Fe - Total	0.39 mg/L	EPA 200.7	0.05	06/25/2008	19:07	CM

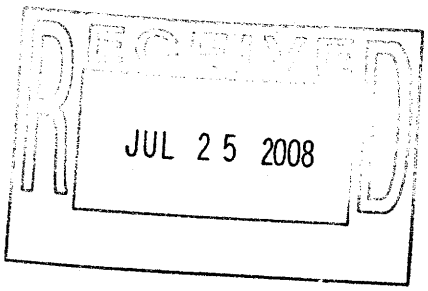
Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

July 22, 2008



SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	Well-1	Sample ID By	Sunnyside Cogeneration Assoc.
Date Sampled:	Jun 17, 2008	Sample Taken At	WELL-1`
Date Received:	Jun 18, 2008	Sample Taken By	R.N.
Product Description:	WATER	Time Sampled	09:40
		Time Received	10:30
		Mine	27
		Site	8
		Field - Flow	150 GPM
		Field - Conductivity	543 UMHOS/CM
		Field - Dis. Oxygen	11.0 MG/L
		Field - Temperature	11.9 DEG. C
		Field - pH	8.65 pH UNITS

Comments: Dissolved Metals Filtered at Lab
pH Expired When Recieved
AMMENDED ALKALINITY TOTAL AND U.O.M. FOR SS

SGS Minerals Sample ID: 782-0800363-003

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)						
Iron, Fe - Dissolved	<0.03 mg/L	EPA 200.7	0.03	06/24/2008	21:11	GF
Magnesium, Mg - Dissolved	36.91 mg/L	EPA 200.7	0.01	06/24/2008	21:11	GF
Manganese, Mn - Total	0.017 mg/L	EPA 200.7	0.002	06/25/2008	19:07	CM
Manganese, Mn - Dissolved	<0.002 mg/L	EPA 200.7	0.002	06/24/2008	21:11	GF
Potassium, K - Dissolved	1.08 mg/L	EPA 200.7	0.14	06/24/2008	21:11	GF
Sodium, Na - Dissolved	25.84 mg/L	EPA 200.7	0.09	06/24/2008	21:11	GF

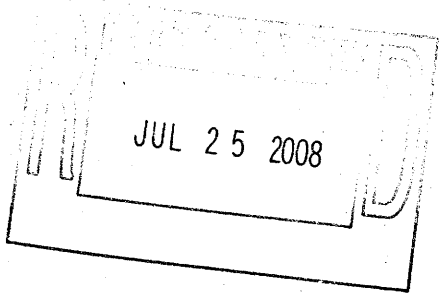
Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

July 22, 2008



SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	F-2
Date Sampled:	Jun 17, 2008
Date Received:	Jun 18, 2008
Product Description:	WATER

Sample ID By	Sunnyside Cogeneration Assoc.
Sample Taken At	F-2
Sample Taken By	R.N.
Time Sampled	0920
Time Received	10:30
Mine	27
Site	11
Field - Flow	100 GPM
Field - Conductivity	1941 UMHOS/CM
Field - Dis. Oxygen	10.7 MG/L
Field - Temperature	11.5 DEG. C
Field - pH	8.4 pH UNITS

Comments: Dissolved Metals Filtered at Lab
pH Expired When Recieved
AMMENDED U.O.M. FOR SS

SGS Minerals Sample ID: 782-0800363-004

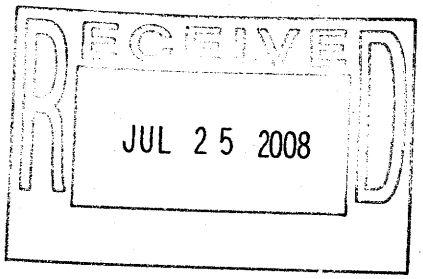
PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
Oil and Grease, (HEM)	<5 mg/L	EPA 1664	5	07/01/2008	09:15	DI
Chloride, Cl	43 mg/L	EPA 300.0	1	06/24/2008	18:10	DI
Sulfate, SO4	617 mg/L	EPA 300.0	1	06/24/2008	18:10	DI
Anions	21.50 meq/L	SM1030	0	07/02/2008	14:13	SJ
Cations	23.50 meq/L	SM1030	0	07/02/2008	14:15	SJ
Balance	4.40 %	SM1030	-10	07/02/2008	14:15	SJ
Alkalinity, mg CaCO3/L (pH 4.5)	373 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Bicarbonate Alkalinity as CaCO3	259 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Carbonate Alkalinity as CaCO3	114 mg/L	SM2320-B	5	06/23/2008	11:30	CM
Hardness, mg equivalent CaCO3/L	738 mg/L	SM2340-B	1	07/02/2008	14:16	SJ
Total Dissolved Solids	1440 mg/L	SM2540-C	30	06/23/2008	12:30	CM
Total Suspended Solids	19 mg/L	SM2540-D	5	06/23/2008	12:30	CM
Settleable Solids	<0.1 mL/L	SM2540-F a	0.1	06/18/2008	15:00	GF
pH	8.48 s. u.	SM4500-H	0.01	06/18/2008	12:28	CM
pH Temperature	19.10 °C	SM4500-H	0.01	06/18/2008	12:28	CM
METALS BY ICP						
Calcium, Ca - Dissolved	105.49 mg/L	EPA 200.7	0.03	06/24/2008	21:11	GF
Iron, Fe - Total	0.66 mg/L	EPA 200.7	0.05	06/25/2008	19:07	CM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

July 22, 2008



SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	F-2	Sample ID By	Sunnyside Cogeneration Assoc.
Date Sampled:	Jun 17, 2008	Sample Taken At	F-2
Date Received:	Jun 18, 2008	Sample Taken By	R.N.
Product Description:	WATER	Time Sampled	0920
		Time Received	10:30
		Mine	27
		Site	11
		Field - Flow	100 GPM
		Field - Conductivity	1941 UMHOS/CM
		Field - Dis. Oxygen	10.7 MG/L
		Field - Temperature	11.5 DEG. C
		Field - pH	8.4 pH UNITS

Comments: Dissolved Metals Filtered at Lab
pH Expired When Recieved
AMMENDED U.O.M. FOR SS

SGS Minerals Sample ID: 782-0800363-004

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)						
Iron, Fe - Dissolved	<0.03 mg/L	EPA 200.7	0.03	06/24/2008	21:11	GF
Magnesium, Mg - Dissolved	115.25 mg/L	EPA 200.7	0.01	06/24/2008	21:11	GF
Manganese, Mn - Total	0.038 mg/L	EPA 200.7	0.002	06/25/2008	19:07	CM
Manganese, Mn - Dissolved	0.009 mg/L	EPA 200.7	0.002	06/24/2008	21:11	GF
Potassium, K - Dissolved	4.11 mg/L	EPA 200.7	0.14	06/24/2008	21:11	GF
Sodium, Na - Dissolved	199.35 mg/L	EPA 200.7	0.09	06/24/2008	21:11	GF

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

APPENDIX B-3
WATER MONITORING

THIRD QUARTER

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

October 24, 2008

Darron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

Subject: Quarterly Sampling Report
Monitoring Period: July,August,September 2008
DOGM Operational Water Monitoring

Dear Darron:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: Third Quarter 2008
Samples taken August 25, 2008

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	16.3	8.55	2330	10	15	2
Columbia Dugway Spring	F-2	14.6	8.54	1716	11	50	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	16.2	8.17	7130	6.4	30	2
Dragerton Well	Well-1	22.9	7.46	1261	6.3	181	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

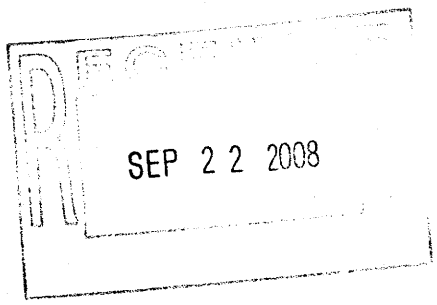
Notes:
na - no flow
NW- no water present
NW/F- no water present frozen
nd - data is not available due to lack of discharge
1- Flow rates were measured using a weir.
2 - Flow rates were measured using a calibrated container and stopwatch method.
3 - Flow rates were measured using the floating debris method.
4 - Flow rates were measured using a meter

Analysis Report

SGS

September 15, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520



Client Sample ID:	CRB	Sample ID By	Sunnyside Cogeneration Assoc.
Date Sampled:	Aug 25, 2008	Sample Taken At	CRB
Date Received:	Aug 26, 2008	Sample Taken By	Richard Safley
Product Description:	WATER	Time Sampled	1100
		Time Received	1145
		Mine	27
		Site	9
		Field - Flow	30 GPM
		Field - Conductivity	7130 UMHOS/CM
		Field - Dis. Oxygen	6.4 MG/L
		Field - Temperature	16.2 DEG. C
		Field - pH	8.17 pH UNITS

Comments: Dissolved Metals Filtered at Lab, pH Expired When Received

SGS Minerals Sample ID: 782-0800548-004

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
Oil and Grease, (HEM)	<5 mg/L	EPA 1664	5	09/04/2008	10:00:00 A	CM
Chloride, Cl	149 mg/L	EPA 300.0	1	08/28/2008	2:51:00 PM	DI
Sulfate, SO4	4432 mg/L	EPA 300.0	1	09/02/2008	3:58:00 PM	GF
Anions	103.80 meq/L	SM1030	0	09/15/2008	7:57:00 AM	SJ
Cations	99.20 meq/L	SM1030	0	09/15/2008	7:58:00 AM	SJ
Balance	-2.30 %	SM1030	-10	09/15/2008	7:58:00 AM	SJ
Alkalinity, mg CaCO3/L (pH 4.5)	369 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Bicarbonate Alkalinity as CaCO3	369 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Carbonate Alkalinity as CaCO3	<5 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Hardness, mg equivalent CaCO3/L	2922 mg/L	SM2340-B	1	09/15/2008	7:59:00 AM	SJ
Total Dissolved Solids	7242 mg/L	SM2540-C	30	08/28/2008	4:15:00 PM	GF
Total Suspended Solids	<5 mg/L	SM2540-D	5	08/28/2008	4:15:00 PM	GF
Settleable Solids	<0.1 mL/L	SM2540-F a	0.1	08/26/2008	2:30:00 PM	GF
pH	8.17 s. u.	SM4500-H	0.01	08/26/2008	15:50	GF
pH Temperature	19.20 °C	SM4500-H	0.01	08/26/2008	15:50	GF
METALS BY ICP						
Calcium, Ca - Dissolved	460.54 mg/L	EPA 200.7	0.03	09/05/2008	11:16:00 A	GF
Iron, Fe - Total	<0.05 mg/L	EPA 200.7	0.05	08/28/2008	12:17:00 F	DI
Iron, Fe - Dissolved	<0.03 mg/L	EPA 200.7	0.03	09/05/2008	11:16	GF
Magnesium, Mg - Dissolved	430.24 mg/L	EPA 200.7	0.01	09/05/2008	11:16:00 A	GF

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS

September 15, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	CRB	Sample ID By	Sunnyside Cogeneration Assoc.
Date Sampled:	Aug 25, 2008	Sample Taken At	CRB
Date Received:	Aug 26, 2008	Sample Taken By	Richard Safley
Product Description:	WATER	Time Sampled	1100
		Time Received	1145
		Mine	27
		Site	9
		Field - Flow	30 GPM
		Field - Conductivity	7130 UMHOS/CM
		Field - Dis. Oxygen	6.4 MG/L
		Field - Temperature	16.2 DEG. C
		Field - pH	8.17 pH UNITS

Comments: Dissolved Metals Filtered at Lab, pH Expired When Received

SGS Minerals Sample ID: 782-0800548-004

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)						
Manganese, Mn - Total	0.004 mg/L	EPA 200.7	0.002	08/28/2008	12:17:00	F DI
Manganese, Mn - Dissolved	<0.002 mg/L	EPA 200.7	0.002	09/05/2008	11:16:00	A GF
Potassium, K - Dissolved	47.94 mg/L	EPA 200.7	0.14	09/05/2008	11:16:00	A GF
Sodium, Na - Dissolved	910.31 mg/L	EPA 200.7	0.09	09/11/2008	15:10	DI

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

September 15, 2008

RECEIVED
SEP 22 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	ICE
Date Sampled:	Aug 25, 2008
Date Received:	Aug 26, 2008
Product Description:	WATER

Sample ID By	Sunnyside Cogeneration Assoc.
Sample Taken At	ICE
Sample Taken By	Richard Safley
Time Sampled	1100
Time Received	1145
Mine	27
Site	12
Field - Flow	15 GPM
Field - Conductivity	2330 UMHOS/CM
Field - Dis. Oxygen	10 MG/L
Field - Temperature	16.3 DEG. C
Field - pH	8.55 pH UNITS

Comments: Dissolved Metals Filtered at Lab, pH Expired When Received

SGS Minerals Sample ID: 782-0800548-003

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
Oil and Grease, (HEM)	<5 mg/L	EPA 1664	5	09/04/2008	10:00:00 A	CM
Chloride, Cl	53 mg/L	EPA 300.0	1	08/28/2008	2:51:00 PM	DI
Sulfate, SO4	887 mg/L	EPA 300.0	1	08/28/2008	2:51:00 PM	DI
Anions	29.10 meq/L	SM1030	0	09/15/2008	10:05	DI
Cations	29.10 meq/L	SM1030	0	09/15/2008	10:05	DI
Balance	0.00 %	SM1030	-10	09/15/2008	10:05	DI
Alkalinity, mg CaCO3/L (pH 4.5)	458 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Bicarbonate Alkalinity as CaCO3	458 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Carbonate Alkalinity as CaCO3	<5 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Hardness, mg equivalent CaCO3/L	834 mg/L	SM2340-B	1	09/15/2008	10:05	DI
Total Dissolved Solids	1804 mg/L	SM2540-C	30	08/28/2008	4:15:00 PM	GF
Total Suspended Solids	5 mg/L	SM2540-D	5	08/28/2008	4:15:00 PM	GF
Settleable Solids	<0.1 mL/L	SM2540-F a	0.1	08/26/2008	2:30:00 PM	GF
pH	8.49 s. u.	SM4500-H	0.01	08/26/2008	15:48	GF
pH Temperature	19.40 °C	SM4500-H	0.01	08/26/2008	15:48	GF
METALS BY ICP						
Calcium, Ca - Dissolved	103.37 mg/L	EPA 200.7	0.03	09/05/2008	11:16:00 A	GF
Iron, Fe - Total	0.14 mg/L	EPA 200.7	0.05	08/28/2008	12:17:00 P	DI
Iron, Fe - Dissolved	<0.03 mg/L	EPA 200.7	0.03	09/05/2008	11:16:00 A	GF
Magnesium, Mg - Dissolved	139.85 mg/L	EPA 200.7	0.01	09/05/2008	11:16:00 A	GF

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

September 15, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	ICE
Date Sampled:	Aug 25, 2008
Date Received:	Aug 26, 2008
Product Description:	WATER

Sample ID By	Sunnyside Cogeneration Assoc.
Sample Taken At	ICE
Sample Taken By	Richard Safley
Time Sampled	1100
Time Received	1145
Mine	27
Site	12
Field - Flow	15 GPM
Field - Conductivity	2330 UMHOS/CM
Field - Dis. Oxygen	10 MG/L
Field - Temperature	16.3 DEG. C
Field - pH	8.55 pH UNITS

Comments: Dissolved Metals Filtered at Lab, pH Expired When Received

SGS Minerals Sample ID: 782-0800548-003

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)						
Manganese, Mn - Total	0.023 mg/L	EPA 200.7	0.002	08/28/2008	12:17:00	F DI
Manganese, Mn - Dissolved	0.010 mg/L	EPA 200.7	0.002	09/05/2008	11:16:00	A GF
Potassium, K - Dissolved	8.02 mg/L	EPA 200.7	0.14	09/05/2008	11:16:00	A GF
Sodium, Na - Dissolved	280.93 mg/L	EPA 200.7	0.09	09/05/2008	11:16:00	A GF

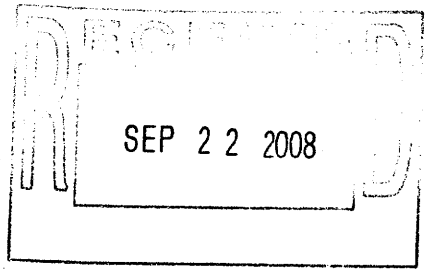
Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

September 15, 2008



SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	Well 1	Sample ID By	Sunnyside Cogeneration Assoc.
Date Sampled:	Aug 25, 2008	Sample Taken At	Well 1
Date Received:	Aug 26, 2008	Sample Taken By	Richard Safley
Product Description:	WATER	Time Sampled	1100
		Time Received	1145
		Mine	27
		Site	8
		Field - Flow	181 GPM
		Field - Conductivity	1261 UMHOS/CM
		Field - Dis. Oxygen	6.3 MG/L
		Field - Temperature	22.9 DEG. C
		Field - pH	7.46 pH UNITS

Comments: Dissolved Metals Filtered at Lab, pH Expired When Received

SGS Minerals Sample ID: 782-0800548-001

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
Oil and Grease, (HEM)	<5 mg/L	EPA 1664	5	09/04/2008	10:00:00 A	CM
Chloride, Cl	25 mg/L	EPA 300.0	1	08/28/2008	2:51:00 PM	DI
Sulfate, SO4	276 mg/L	EPA 300.0	1	08/28/2008	2:51:00 PM	DI
Anions	14.30 meq/L	SM1030	0	09/15/2008	7:57:00 AM	SJ
Cations	14.40 meq/L	SM1030	0	09/15/2008	7:58:00 AM	SJ
Balance	0.50 %	SM1030	-10	09/15/2008	7:58:00 AM	SJ
Alkalinity, mg CaCO3/L (pH 4.5)	393 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Bicarbonate Alkalinity as CaCO3	393 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Carbonate Alkalinity as CaCO3	<5 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Hardness, mg equivalent CaCO3/L	461 mg/L	SM2340-B	1	09/15/2008	7:59:00 AM	SJ
Total Dissolved Solids	810 mg/L	SM2540-C	30	08/28/2008	4:15:00 PM	GF
Total Suspended Solids	5 mg/L	SM2540-D	5	08/28/2008	4:15:00 PM	GF
Settleable Solids	<0.1 mL/L	SM2540-F a	0.1	08/26/2008	2:30:00 PM	GF
pH	7.53 s. u.	SM4500-H	0.01	08/26/2008	15:43	GF
pH Temperature	19.30 °C	SM4500-H	0.01	08/26/2008	15:43	GF
METALS BY ICP						
Calcium, Ca - Dissolved	72.35 mg/L	EPA 200.7	0.03	09/05/2008	11:16:00 A	GF
Iron, Fe - Total	0.08 mg/L	EPA 200.7	0.05	08/28/2008	12:17:00 P	DI
Iron, Fe - Dissolved	<0.03 mg/L	EPA 200.7	0.03	09/05/2008	11:16:00 A	GF
Magnesium, Mg - Dissolved	68.12 mg/L	EPA 200.7	0.01	09/05/2008	11:16:00 A	GF

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

September 15, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	Well 1	Sample ID By	Sunnyside Cogeneration Assoc.
Date Sampled:	Aug 25, 2008	Sample Taken At	Well 1
Date Received:	Aug 26, 2008	Sample Taken By	Richard Safley
Product Description:	WATER	Time Sampled	1100
		Time Received	1145
		Mine	27
		Site	8
		Field - Flow	181 GPM
		Field - Conductivity	1261 UMHOS/CM
		Field - Dis. Oxygen	6.3 MG/L
		Field - Temperature	22.9 DEG. C
		Field - pH	7.46 pH UNITS

Comments: Dissolved Metals Filtered at Lab, pH Expired When Received

SGS Minerals Sample ID: 782-0800548-001

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)						
Manganese, Mn - Total	0.018 mg/L	EPA 200.7	0.002	08/28/2008	12:17:00	F DI
Manganese, Mn - Dissolved	0.018 mg/L	EPA 200.7	0.002	09/05/2008	11:16:00	A GF
Potassium, K - Dissolved	2.67 mg/L	EPA 200.7	0.14	09/05/2008	11:16:00	A GF
Sodium, Na - Dissolved	118.52 mg/L	EPA 200.7	0.09	09/05/2008	11:16:00	A GF

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

September 15, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	F2	Sample ID By	Sunnyside Cogeneration Assoc.
Date Sampled:	Aug 25, 2008	Sample Taken At	F2
Date Received:	Aug 26, 2008	Sample Taken By	Richard Safley
Product Description:	WATER	Time Sampled	1100
		Time Received	1145
		Mine	27
		Site	11
		Field - Flow	50 GPM
		Field - Conductivity	1716 UMHOS/CM
		Field - Dis. Oxygen	11 MG/L
		Field - Temperature	14.6 DEG. C
		Field - pH	8.54 pH UNITS

Comments: Dissolved Metals Filtered at Lab, pH Expired When Received

SGS Minerals Sample ID: 782-0800548-002

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
Oil and Grease, (HEM)	<5 mg/L	EPA 1664	5	09/04/2008	10:00:00 A	CM
Chloride, Cl	29 mg/L	EPA 300.0	1	08/28/2008	2:51:00 PM	DI
Sulfate, SO4	451 mg/L	EPA 300.0	1	08/28/2008	2:51:00 PM	DI
Anions	20.00 meq/L	SM1030	0	09/15/2008	7:57:00 AM	SJ
Cations	19.70 meq/L	SM1030	0	09/15/2008	7:58:00 AM	SJ
Balance	-0.70 %	SM1030	-10	09/15/2008	7:58:00 AM	SJ
Alkalinity, mg CaCO3/L (pH 4.5)	490 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Bicarbonate Alkalinity as CaCO3	490 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Carbonate Alkalinity as CaCO3	<5 mg/L	SM2320-B	5	08/28/2008	3:30:00 PM	GF
Hardness, mg equivalent CaCO3/L	583 mg/L	SM2340-B	1	09/15/2008	7:59:00 AM	SJ
Total Dissolved Solids	1164 mg/L	SM2540-C	30	08/28/2008	4:15:00 PM	GF
Total Suspended Solids	<5 mg/L	SM2540-D	5	08/28/2008	4:15:00 PM	GF
Settleable Solids	<0.1 mL/L	SM2540-F a	0.1	08/26/2008	2:30:00 PM	GF
pH	8.45 s. u.	SM4500-H	0.01	08/26/2008	15:45	GF
pH Temperature	19.40 °C	SM4500-H	0.01	08/26/2008	15:45	GF
METALS BY ICP						
Calcium, Ca - Dissolved	79.82 mg/L	EPA 200.7	0.03	09/05/2008	11:16:00 A	GF
Iron, Fe - Total	0.09 mg/L	EPA 200.7	0.05	08/28/2008	12:17:00 P	DI
Iron, Fe - Dissolved	<0.03 mg/L	EPA 200.7	0.03	09/11/2008	15:10	GF
Magnesium, Mg - Dissolved	93.11 mg/L	EPA 200.7	0.01	09/05/2008	11:16:00 A	GF

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

SGS

September 15, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	F2	Sample ID By	Sunnyside Cogeneration Assoc.
Date Sampled:	Aug 25, 2008	Sample Taken At	F2
Date Received:	Aug 26, 2008	Sample Taken By	Richard Safley
Product Description:	WATER	Time Sampled	1100
		Time Received	1145
		Mine	27
		Site	11
		Field - Flow	50 GPM
		Field - Conductivity	1716 UMHOS/CM
		Field - Dis. Oxygen	11 MG/L
		Field - Temperature	14.6 DEG. C
		Field - pH	8.54 pH UNITS

Comments: Dissolved Metals Filtered at Lab, pH Expired When Received

SGS Minerals Sample ID: 782-0800548-002

PARAMETER	RESULT	METHOD	REGULATORY LEVEL	ANALYZED DATE	TIME	ANALYST
METALS BY ICP (continued)						
Manganese, Mn - Total	0.013 mg/L	EPA 200.7	0.002	08/28/2008	12:17:00	F DI
Manganese, Mn - Dissolved	0.008 mg/L	EPA 200.7	0.002	09/05/2008	11:16:00	A GF
Potassium, K - Dissolved	2.87 mg/L	EPA 200.7	0.14	09/05/2008	11:16:00	A GF
Sodium, Na - Dissolved	184.38 mg/L	EPA 200.7	0.09	09/05/2008	11:16:00	A GF

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

APPENDIX B-3
WATER MONITORING

FOURTH QUARTER

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 15, 2009

Darron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

Subject: Quarterly Sampling Report
Monitoring Period: October, November,December 2008
DOGM Operational Water Monitoring

Dear Darron:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Michael J. Blakey
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: Fourth Quarter 2008
Samples taken November 19, 2008

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	4.6	8.42	3520	11	20	2
Columbia Dugway Spring	F-2	6.2	8.63	1588	10.6	30	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	7	8.22	6710	9.6	50	2
Dragerton Well	Well-1	9.4	7.88	1204	8.7	160	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:
na - no flow
NW- no water present
NW/F- no water present frozen
nd - data is not available due to lack of discharge
1- Flow rates were measured using a weir.
2 - Flow rates were measured using a calibrated container and stopwatch method.
3 - Flow rates were measured using the floating debris method.
4 - Flow rates were measured using a meter

Analysis Report

December 03, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

DEC - 8 2008

Client Sample ID:	CRB
Date Sampled:	Nov 19, 2008
Date Received:	Nov 20, 2008
Product Description:	WATER

Sample ID By:	Sunnyside Cogeneration Assoc.
Sample Taken At:	CRB
Sample Taken By:	Richard Safley
Time Sampled:	0815
Time Received:	1105
Mine:	27
Site:	9
Field - pH:	8.22 pH UNITS
Field - Dis. Oxygen:	9.6 MG/L
Field - Flow:	50 GPM
Field - Conductivity:	6710 UMHOS/CM
Field - Temperature:	7.0 DEG. C

Comments: pH expired when received

SGS Minerals Sample ID: 782-0800766-001

Tests	Result	Unit	Method	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
Hardness, mg equivalent CaCO3/L	2983	mg/L	SM2340-B	1.000	12/02/2008	15:05	SJ
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	11/26/2008	09:00	CM
Anions	97.10	meq/L	SM1030	0.000	12/02/2008	14:56	SJ
Sulfate, SO4	4119	mg/L	EPA 300.0	1.000	11/21/2008	12:49	GF
Cations	101.90	meq/L	SM1030	0.000	12/02/2008	14:57	SJ
Balance	2.40	%	SM1030	-10.000	12/02/2008	15:05	SJ
pH	8.20	s. u.	SM4500-H	0.010	11/20/2008	12:52	GK
pH Temperature	16.40	°C	SM4500-H	0.010	11/20/2008	12:52	GK
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	11/20/2008	13:00	GF
Total Dissolved Solids	6971	mg/L	SM2540-C	30.000	11/24/2008	12:15	CM
Total Suspended Solids	5	mg/L	SM2540-D	5.000	11/24/2008	12:15	CM
Chloride, Cl	151	mg/L	EPA 300.0	1.000	11/20/2008	21:13	CM
Alkalinity, mg CaCO3/L (pH 4.5)	354	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK
Carbonate Alkalinity as CaCO3	<5	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK
Bicarbonate Alkalinity as CaCO3	354	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK

Respectfully submitted,
SGS NORTH AMERICA INC.

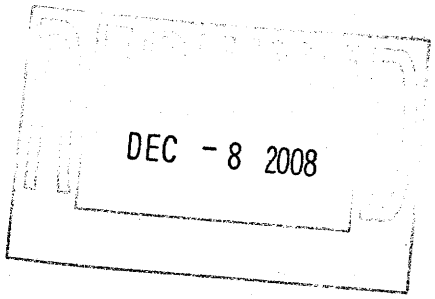
Huntington Laboratory

SGS

Analysis Report

December 03, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520



Client Sample ID:	CRB
Date Sampled:	Nov 19, 2008
Date Received:	Nov 20, 2008
Product Description:	WATER

Sample ID By:	Sunnyside Cogeneration Assoc.
Sample Taken At:	CRB
Sample Taken By:	Richard Safley
Time Sampled:	0815
Time Received:	1105
Mine:	27
Site:	9
Field - pH:	8.22 pH UNITS
Field - Dis. Oxygen:	9.6 MG/L
Field - Flow:	50 GPM
Field - Conductivity:	6710 UMHOS/CM
Field - Temperature:	7.0 DEG. C

Comments: pH expired when received

SGS Minerals Sample ID: 782-0800766-001

Tests	Result	Unit	Method	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
METALS BY ICP							
Calcium, Ca - Dissolved	475.36	mg/L	EPA 200.7	0.030	12/01/2008	17:54	GF
Iron, Fe - Total	<0.05	mg/L	EPA 200.7	0.050	11/25/2008	20:25	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	11/25/2008	13:28	GF
Magnesium, Mg - Dissolved	436.11	mg/L	EPA 200.7	0.010	12/01/2008	17:54	CM
Manganese, Mn - Total	0.012	mg/L	EPA 200.7	0.002	11/25/2008	20:25	CM
Manganese, Mn - Dissolved	0.010	mg/L	EPA 200.7	0.002	11/25/2008	13:28	GF
Potassium, K - Dissolved	42.55	mg/L	EPA 200.7	0.140	11/25/2008	13:28	GF
Sodium, Na - Dissolved	947.90	mg/L	EPA 200.7	0.090	12/01/2008	17:54	CM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

December 03, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	ICE
Date Sampled:	Nov 19, 2008
Date Received:	Nov 20, 2008
Product Description:	WATER

Sample ID By:	Sunnyside Cogeneration Assoc.
Sample Taken At:	ICE
Sample Taken By:	Richard Safley
Time Sampled:	0900
Time Received:	1105
Mine:	27
Site:	12
Field - pH:	8.42 pH UNITS
Field - Dis. Oxygen:	11.0 MG/L
Field - Flow:	20 GPM
Field - Conductivity:	3520 UMHOS/CM
Field - Temperature:	4.6 DEG. C

Comments: pH expired when received

SGS Minerals Sample ID: 782-0800766-002

Tests	Result	Unit	Method	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
Hardness, mg equivalent CaCO3/L	1378	mg/L	SM2340-B	1.000	12/02/2008	15:05	SJ
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	11/26/2008	09:00	CM
Anions	44.90	meq/L	SM1030	0.000	12/02/2008	14:56	SJ
Sulfate, SO4	1673	mg/L	EPA 300.0	1.000	11/20/2021	21:13	CM
Cations	47.00	meq/L	SM1030	0.000	12/02/2008	14:57	SJ
Balance	2.20	%	SM1030	-10.000	12/02/2008	15:05	SJ
pH	8.20	s. u.	SM4500-H	0.010	11/20/2008	12:54	GK
pH Temperature	15.70	°C	SM4500-H	0.010	11/20/2008	12:54	GK
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	11/20/2008	13:00	GF
Total Dissolved Solids	3174	mg/L	SM2540-C	30.000	11/24/2008	12:15	CM
Total Suspended Solids	5	mg/L	SM2540-D	5.000	11/24/2008	12:15	CM
Chloride, Cl	72	mg/L	EPA 300.0	1.000	11/20/2008	21:13	CM
Alkalinity, mg CaCO3/L (pH 4.5)	405	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK
Carbonate Alkalinity as CaCO3	<5	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK
Bicarbonate Alkalinity as CaCO3	405	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

December 03, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	ICE
Date Sampled:	Nov 19, 2008
Date Received:	Nov 20, 2008
Product Description:	WATER

Sample ID By:	Sunnyside Cogeneration Assoc.
Sample Taken At:	ICE
Sample Taken By:	Richard Safley
Time Sampled:	0900
Time Received:	1105
Mine:	27
Site:	12
Field - pH:	8.42 pH UNITS
Field - Dis. Oxygen:	11.0 MG/L
Field - Flow:	20 GPM
Field - Conductivity:	3520 UMHOS/CM
Field - Temperature:	4.6 DEG. C

Comments: pH expired when received

SGS Minerals Sample ID: 782-0800766-002

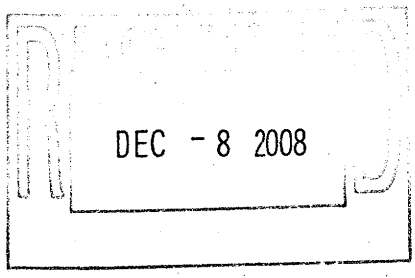
Tests	Result	Unit	Method	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
METALS BY ICP							
Calcium, Ca - Dissolved	190.50	mg/L	EPA 200.7	0.030	12/01/2008	17:54	CM
Iron, Fe - Total	0.12	mg/L	EPA 200.7	0.050	11/25/2008	20:25	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	11/25/2008	13:28	GF
Magnesium, Mg - Dissolved	219.15	mg/L	EPA 200.7	0.010	12/01/2008	17:54	CM
Manganese, Mn - Total	0.012	mg/L	EPA 200.7	0.002	11/25/2008	20:25	CM
Manganese, Mn - Dissolved	0.010	mg/L	EPA 200.7	0.002	11/25/2008	13:28	GF
Potassium, K - Dissolved	14.51	mg/L	EPA 200.7	0.140	11/25/2008	13:28	GF
Sodium, Na - Dissolved	438.08	mg/L	EPA 200.7	0.090	12/01/2008	17:54	CM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

December 03, 2008



SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Client Sample ID:	F2
Date Sampled:	Nov 19, 2008
Date Received:	Nov 20, 2008
Product Description:	WATER

Sample ID By:	Sunnyside Cogeneration Assoc.
Sample Taken At:	F2
Sample Taken By:	Richard Safley
Time Sampled:	0925
Time Received:	1105
Mine:	27
Site:	11
Field - pH:	8.63 pH UNITS
Field - Dis. Oxygen:	10.6 MG/L
Field - Flow:	30 GPM
Field - Conductivity:	1588 UMHOS/CM
Field - Temperature:	6.2 DEG. C

Comments: pH expired when received

SGS Minerals Sample ID: 782-0800766-003

Tests	Result	Unit	Method	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
Hardness, mg equivalent CaCO3/L	607	mg/L	SM2340-B	1.000	12/02/2008	15:05	SJ
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	11/26/2008	09:00	CM
Anions	19.40	meq/L	SM1030	0.000	12/02/2008	14:56	SJ
Sulfate, SO4	430	mg/L	EPA 300.0	1.000	11/20/2021	21:13	CM
Cations	20.10	meq/L	SM1030	0.000	12/02/2008	14:57	SJ
Balance	1.90	%	SM1030	-10.000	12/02/2008	15:05	SJ
pH	8.43	s. u.	SM4500-H	0.010	11/20/2008	12:55	GK
pH Temperature	15.40	°C	SM4500-H	0.010	11/20/2008	12:55	GK
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	11/20/2008	13:00	GF
Total Dissolved Solids	1175	mg/L	SM2540-C	30.000	11/24/2008	12:15	CM
Total Suspended Solids	12	mg/L	SM2540-D	5.000	11/24/2008	12:15	CM
Chloride, Cl	28	mg/L	EPA 300.0	1.000	11/20/2008	21:13	CM
Alkalinity, mg CaCO3/L (pH 4.5)	484	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK
Carbonate Alkalinity as CaCO3	18	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK
Bicarbonate Alkalinity as CaCO3	465	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK

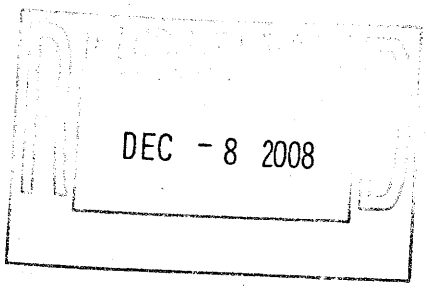
Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

December 03, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520



Client Sample ID:	F2	Sample ID By:	Sunnyside Cogeneration Assoc.
Date Sampled:	Nov 19, 2008	Sample Taken At:	F2
Date Received:	Nov 20, 2008	Sample Taken By:	Richard Safley
Product Description:	WATER	Time Sampled:	0925
		Time Received:	1105
		Mine:	27
		Site:	11
		Field - pH:	8.63 pH UNITS
		Field - Dis. Oxygen:	10.6 MG/L
		Field - Flow:	30 GPM
		Field - Conductivity:	1588 UMHOS/CM
		Field - Temperature:	6.2 DEG. C

Comments: pH expired when received

SGS Minerals Sample ID: 782-0800766-003

Tests	Result	Unit	Method	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
METALS BY ICP							
Calcium, Ca - Dissolved	82.53	mg/L	EPA 200.7	0.030	11/25/2008	13:28	GF
Iron, Fe - Total	0.54	mg/L	EPA 200.7	0.050	11/25/2008	20:25	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	11/25/2008	13:28	GF
Magnesium, Mg - Dissolved	97.40	mg/L	EPA 200.7	0.010	11/25/2008	13:28	GF
Manganese, Mn - Total	0.031	mg/L	EPA 200.7	0.002	11/25/2008	20:25	CM
Manganese, Mn - Dissolved	0.012	mg/L	EPA 200.7	0.002	11/25/2008	13:28	GF
Potassium, K - Dissolved	3.03	mg/L	EPA 200.7	0.140	11/25/2008	13:28	GF
Sodium, Na - Dissolved	182.08	mg/L	EPA 200.7	0.090	12/01/2008	17:54	CM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

December 03, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

DEC - 8 2008

Client Sample ID:	Well 1	Sample ID By:	Sunnyside Cogeneration Assoc.
Date Sampled:	Nov 19, 2008	Sample Taken At:	Well 1
Date Received:	Nov 20, 2008	Sample Taken By:	Richard Safley
Product Description:	WATER	Time Sampled:	0945
		Time Received:	1105
		Mine:	27
		Site:	8
		Field - pH:	7.88 pH UNITS
		Field - Dis. Oxygen:	8.7 MG/L
		Field - Flow:	160 GPM
		Field - Conductivity:	1204 UMHOS/CM
		Field - Temperature:	9.4 DEG. C

Comments: pH expired when received

SGS Minerals Sample ID: 782-0800766-004

Tests	Result	Unit	Method	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
Hardness, mg equivalent CaCO3/L	463	mg/L	SM2340-B	1.000	12/02/2008	15:05	SJ
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	11/26/2008	09:00	CM
Anions	19.40	meq/L	SM1030	0.000	12/02/2008	14:56	SJ
Sulfate, SO4	248	mg/L	EPA 300.0	1.000	11/20/2021	21:13	CM
Cations	20.10	meq/L	SM1030	0.000	12/02/2008	14:57	SJ
Balance	2.50	%	SM1030	-10.000	12/02/2008	15:05	SJ
pH	7.71	s. u.	SM4500-H	0.010	11/20/2008	12:57	GK
pH Temperature	15.60	°C	SM4500-H	0.010	11/20/2008	12:57	GK
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	11/20/2008	13:00	GF
Total Dissolved Solids	824	mg/L	SM2540-C	30.000	11/24/2008	12:15	CM
Total Suspended Solids	11	mg/L	SM2540-D	5.000	11/24/2008	12:15	CM
Chloride, Cl	20	mg/L	EPA 300.0	1.000	11/20/2008	21:13	CM
Alkalinity, mg CaCO3/L (pH 4.5)	403	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK
Carbonate Alkalinity as CaCO3	<5	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK
Bicarbonate Alkalinity as CaCO3	403	mg/L	SM2320-B	5.000	11/21/2008	14:00	GK

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

Analysis Report

December 03, 2008

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

DEC - 8 2008

Client Sample ID:	Well 1	Sample ID By:	Sunnyside Cogeneration Assoc.
Date Sampled:	Nov 19, 2008	Sample Taken At:	Well 1
Date Received:	Nov 20, 2008	Sample Taken By:	Richard Safley
Product Description:	WATER	Time Sampled:	0945
		Time Received:	1105
		Mine:	27
		Site:	8
		Field - pH:	7.88 pH UNITS
		Field - Dis. Oxygen:	8.7 MG/L
		Field - Flow:	160 GPM
		Field - Conductivity:	1204 UMHOS/CM
		Field - Temperature:	9.4 DEG. C

Comments: pH expired when received

SGS Minerals Sample ID: 782-0800766-004

Tests	Result	Unit	Method	REPORTING LIMIT	ANALYZED DATE	TIME	ANALYST
METALS BY ICP							
Calcium, Ca - Dissolved	73.67	mg/L	EPA 200.7	0.030	11/25/2008	13:28	GF
Iron, Fe - Total	0.47	mg/L	EPA 200.7	0.050	11/25/2008	20:25	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	11/25/2008	13:28	GF
Magnesium, Mg - Dissolved	67.65	mg/L	EPA 200.7	0.010	11/25/2008	13:28	GF
Manganese, Mn - Total	0.005	mg/L	EPA 200.7	0.002	11/25/2008	20:25	CM
Manganese, Mn - Dissolved	0.002	mg/L	EPA 200.7	0.002	11/25/2008	13:28	GF
Potassium, K - Dissolved	2.92	mg/L	EPA 200.7	0.140	11/25/2008	13:28	GF
Sodium, Na - Dissolved	118.11	mg/L	EPA 200.7	0.090	11/25/2008	13:28	GF

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

APPENDIX B-4
2003-2008 WATER QUALITY SUMMARY

SCA Report
Water Quality Monitoring Report
Monitoring Period: March 2003 – November 2008

TABLE OF CONTENTS

LIST OF TABLES AND FIGURES

Data

Field Parameters

Water Quality Characterizations – Stiff Diagrams

EXECUTIVE SUMMARY

SCA collected the required water quality samples and field parameter data during the monitoring period of March 2003 through November 2008 in accordance with the program outlined in Appendix 7-8 of the Mining and Reclamation Permit. This monitoring plan included quarterly collection of water quality samples and field parameter data. SCA also periodically analyzed the water samples for an extended list of parameters to compare with the additional baseline monitoring list identified in the permit. The six locations monitored include:

Icelander Creek (ICE-1)	Coarse Refuse Seep Boundary (CRB)
Columbia Dugway Spring (F-2)	Dragerton Well (Well-1)
Coarse Refuse Seep Source (CRS)	Borehole B-6 (B-6)

Water quality data from this monitoring period was compared with the 1993-1995 baseline data (see Appendix 7-4 of the MRP for the baseline data summary). It was also compared with the 1996-2002 water monitoring data summarized in the 2002 report (see Appendix 7-10 of the MRP for a copy of this report).

This report consists of a summary and interpretation of the water quality monitoring data and a comparison of the water quality parameters of each location with the prior data gathered. The following evaluations of the monitoring data were made:

- Two of the monitoring locations (Borehole B-6 and Coarse Refuse Seep CRS) did not have water discharges available for sampling during the entire monitoring period.
- Individual water quality parameters (field and laboratory data) were analyzed for each monitoring location. The variations in data appeared similar to those encountered during 1993-1995 baseline monitoring period and the 1996-2002 operational period. No new trends were identified which would indicate a change in water quality.
- Stiff diagrams were prepared for each monitoring session at each location. These were compared with stiff diagrams prepared for the baseline data. These diagrams identifying chemistry types appear generally similar with no changes being identified that would represent detrimental impacts to the water quality in the area.

The SCA mining operations do not have any discharges to surface waters (other than the rare potential for an occasional detention pond release that is controlled by UPDES requirements). There are no contaminating groundwater interactions. The extensive monitoring that has been conducted by SCA over the past fifteen years indicates that the operations of SCA have had positive improvements to water quality in the area. Slurry water is no longer filtering through the refuse pile as in the historic SCC operations. Water is no longer found in borehole B-6 or emanating from the seep at the base of the refuse pile. No detrimental water quality changes have been detected. Therefore, it would seem appropriate for SCA to petition the Division for a reduction in the frequency of sampling and/or in the number of parameters analyzed.

DATA ANALYSIS

The quarterly field-parameter data collected by SCA during the monitoring period is presented in Table 1. This includes quarterly water quality samples from March 2003 through November 2008, which were then sent to Utah certified laboratories. The analytical laboratory results of the water samples taken by SCA are summarized in Table 2.

Statistical analysis of the data collected by SCA is itemized together with the data lists in the above noted tables. The statistical parameters include minimum, average, standard deviation, and the total number of samples analyzed.

Field Data

The field parameter data as well as the laboratory results identify noticeable characteristics in the different types of water parameters. Figures 1 through 5 are graphs that compare the temperature, specific conductivity, dissolved oxygen and total dissolved solids of each of the monitoring sites over the monitoring period of 2003-2008. The following observations can be made from the graphs:

- The flow rates are generally down from the averages encountered during the 1993-1995 Baseline period and the 1996-2002 Operational period.
- The temperatures are similar to that of the 1993-1995 Baseline data and the 1996-2002 monitoring and are consistent with the seasonal temperatures;
- The average dissolved oxygen readings of the monitoring sites are within a half of the standard deviation from the Baseline and are similar to the 1996-2002 Operational period.
- The Specific Conductivity of the monitoring sites is very comparable to the Baseline data. Two sites (Ice-1 and CRB) were about 10% higher than the Operational period. These elevated values of specific conductivity (and total dissolved solids) may be the result of water percolating through the Mancos Shale and a 20% reduction in flows at those sites.
- The pH measured at the monitoring sites has remained consistent with the Baseline data and the Operational period. All of the pH measurements taken by SCA were in the range of 7.34 to 8.75.

Analytical Data

To facilitate the evaluation of different water chemistry types present and to look for any changes in water chemistry at each location over time, the major ion data for the quarterly sampling by SCA were plotted on Stiff diagrams. The Stiff diagram plots are included as Figures 6 through 9.

A review of the Stiff plots shows water quality shapes similar to that previously identified which indicates two distinct groupings of water chemistry noted by the following characteristics:

- The Icelander Creek (ICE-1), Columbia Dugway Spring (F-2), and the Dragerton Well (WELL-1) seem to have similar water chemistry. They have a balanced chemistry of Sodium and Sulfate and moderate amounts of Magnesium, consistent with the 1993-1995 Baseline and 1996-2002 Operational Stiff diagrams.

- The samples taken from the Coarse Refuse Seep Boundary (CRB) again contain water rich in sulfate, magnesium, and calcium. This is also similar to the 1993-1995 Baseline and 1996-2002 Operational Stiff diagrams.

- Although the Icelander Creek is a surface water location, its two main inflows of water come from F-2 and CRB. Even though the CRB water contains elevated levels, it does not appear to adversely change the ICE-1 water quality in comparison with F-2 and Well-1.

Field Parameter Data 2003 - 2008
DOGM Permit Boundary Water Quality Monitoring

Monitoring Location	Date	Temp (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mgl)	Flow Rate (gpm)
Icelander Creek ICE-1						
	3/11/2003	NW/F	NW/F	NW/F	NW/F	NW/F
	6/11/2003	NW/F	NW/F	NW/F	NW/F	NW/F
	9/9/2003	NW/F	NW/F	NW/F	NW/F	NW/F
	11/18/2003	NW/F	NW/F	NW/F	NW/F	NW/F
	3/30/2004	7.6	8.12	1857	8.83	2
	6/28/2004	NW	NW	NW	NW	NW
	9/13/2004	NW	NW	NW	NW	NW
	11/30/2004	NW	NW	NW	NW	NW
	3/14/2005	NW	NW	NW	NW	NW
	6/14/2005	16.8	7.81	2310	7.9	2
	9/9/2005	17.1	8.37	1765	8.25	30
	11/14/2005	7.7	8.61	1529	9.7	50
Flow measurement by	3/30/2006	7.5	8.3	1601	8.2	20
calibrated container	6/13/2006	12.3	8.75	1780	9.1	60
and stopwatch	9/25/2006	8.6	8.59	1551	6.6	50
	11/30/2006	3.1	8.6	1605	6.8	15
NA = no flow	3/21/2007	5.7	8.39	1514	10	8
NW = No Water	6/6/2007	NW	NW	NW	NW	NW
NW/F = No Water / Frozen	9/27/2007	NW	NW	NW	NW	NW
	11/26/2007	NW	NW	NW	NW	NW
	3/19/2008	NA	NA	NA	NA	NA
	6/17/2008	13.2	8.38	1941	11	20
	8/25/2008	16.3	8.55	2330	10	15
	11/19/2008	4.6	8.42	3520	11	20
	Minimum	3.1	7.81	1514	6.6	0
	Average	10.04	8.41	1942	8.95	12.17
	Maximum	17	9	3520	11	60
	Standard Deviation	4.92	0.25	570	1.46	18.26
	Number of Samples	12	12	12	12	24

Field Parameter Data 2003 - 2008
DOGM Permit Boundary Water Quality Monitoring

Monitoring Location	Date	Temp (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mgl)	Flow Rate (gpm)
Columbia Dugway Spring						
F-2	3/11/2003	5.6	8.37	1578	8.3	15
	6/11/2003	13.8	8.23	1632	8	10
	9/9/2003	12.3	8.4	2500	7.8	3
	11/18/2003	12.6	8.2	2190	7.9	25
	3/30/2004	6.7	8.3	1829	9.8	30
	6/28/2004	13.4	8.08	1839	7.9	4
	9/13/2004	14.4	7.98	1985	8.6	2
	11/30/2004	1	8.7	1720	9.61	5
	3/14/2005	10.1	7.52	1140	8.2	25
	6/14/2005	16.4	8.05	2005	8.1	75
	9/9/2005	15.5	8.31	1625	8.1	60
	11/14/2005	9.1	8.58	1489	9	55
Flow measurement by calibrated container and stopwatch	3/30/2006	4.9	8.56	1590	8.7	55
	6/13/2006	12.3	7.95	1150	7.9	70
	9/25/2006	11	8.42	1601	9.5	65
	11/30/2006	7.1	8.56	1705	9.1	25
	3/21/2007	6.3	8.47	1564	10.8	10
	6/6/2007	11.5	8.38	1659	8.7	7
	9/27/2007	9.5	8.37	1951	8.2	10
	11/26/2007	1.7	8.32	1714	7	6
	3/19/2008	1.1	8.33	1746	11	25
	6/17/2008	11.5	8.4	1941	10.7	100
	8/25/2008	14.6	8.54	1716	11	50
	11/19/2008	6.2	8.63	1588	10.6	30
	Minimum	1.0	7.52	1140	7.0	2
	Average	9.5	8.32	1727	8.9	32
	Maximum	16.4	8.70	2500	11.0	100
	Standard Deviation	4.6	0.26	290	1.2	28
	Number of Samples	24	24	24	24	24

Field Parameter Data 2003 - 2008
DOGM Permit Boundary Water Quality Monitoring

Monitoring Location	Date	Temp (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mgl)	Flow Rate (gpm)
Coarse Refuse Seep Source						
CRS	3/11/2003	NA	NA	NA	NA	NA
	6/11/2003	NA	NA	NA	NA	NA
	9/9/2003	NA	NA	NA	NA	NA
	11/18/2003	NA	NA	NA	NA	NA
	3/30/2004	NA	NA	NA	NA	NA
	6/28/2004	NA	NA	NA	NA	NA
	9/13/2004	NA	NA	NA	NA	NA
	11/30/2004	NA	NA	NA	NA	NA
	3/14/2005	NA	NA	NA	NA	NA
	6/14/2005	NA	NA	NA	NA	NA
	9/9/2005	NA	NA	NA	NA	NA
	11/14/2005	NA	NA	NA	NA	NA
	3/30/2006	NA	NA	NA	NA	NA
	6/13/2006	NA	NA	NA	NA	NA
	9/25/2006	NA	NA	NA	NA	NA
	11/30/2006	NA	NA	NA	NA	NA
	3/21/2007	NA	NA	NA	NA	NA
	6/6/2007	NA	NA	NA	NA	NA
	9/27/2007	NA	NA	NA	NA	NA
	11/26/2007	NA	NA	NA	NA	NA
	3/19/2008	NA	NA	NA	NA	NA
	6/17/2008	NA	NA	NA	NA	NA
	8/25/2008	NA	NA	NA	NA	NA
	11/19/2008	NA	NA	NA	NA	NA

NA = no flow

Field Parameter Data 2003 - 2008
DOGM Permit Boundary Water Quality Monitoring

Monitoring Location	Date	Temp (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mgl)	Flow Rate (gpm)
Coarse Refuse Seep Boundary						
CRB	3/11/2003	6.7	8.17	4770	8.5	10
	6/11/2003	15.6	8.07	4980	7.8	5
	9/9/2003	13.2	8.6	5560	7.5	4
	11/18/2003	12.1	8.5	5610	8	15
	3/30/2004	6.2	7.65	4950	8.97	15
	6/28/2004	13.1	7.52	5020	8.1	8
	9/13/2004	14	7.51	5410	8.3	8
	11/30/2004	NW	NW	NW	NW	NW
	3/14/2005	9.9	7.98	4850	8.3	15
	6/14/2005	15	7.82	5020	8.1	35
	9/9/2005	15.3	7.99	5260	7.9	25
	11/14/2005	7.8	8.02	4870	8.15	45
Flow measurement by calibrated container and stopwatch	3/30/2006	4.7	7.67	6730	9.2	35
	6/13/2006	13.3	7.43	4980	8.1	15
	9/25/2006	9.4	8.07	5310	9.3	20
	11/30/2006	9.4	NA	NA	NA	NA
NA = no flow	3/21/2007	8	7.72	5690	6.4	5
NW = No Water	6/6/2007	12.6	8.04	5270	7.8	5
	9/27/2007	7.7	8.19	4870	8.6	6
	11/26/2007	2.8	8.07	4540	8	4
	3/19/2008	1.2	8.13	5520	11	20
	6/17/2008	13.6	8.06	6190	5.9	20
	8/25/2008	16.2	8.17	7130	6.4	30
	11/19/2008	7	8.22	6710	9.6	50
	Minimum	1.2	7.43	4540	5.9	0
	Average	10.2	7.98	5420	8.2	16
	Maximum	16.2	8.60	7130	11.0	50
	Standard Deviation	4.3	0.30	695	1.1	14
	Number of Samples	23	22	22	22	24

Field Parameter Data 2003 - 2008
DOGM Permit Boundary Water Quality Monitoring

Monitoring Location	Date	Temp (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mgl)	Flow Rate (gpm)
Dragerton Well						
Well-1	3/11/2003	9.1	7.55	1391	8.1	150
	6/11/2003	15.5	7.54	1434	8.1	125
	9/9/2003	NW/F	NW/F	NW/F	NW/F	NW/F
	11/18/2003	NW/F	NW/F	NW/F	NW/F	NW/F
	3/30/2004	11.1	8.27	1011	8.32	0
	6/28/2004	NW	NW	NW	NW	NW
	9/13/2004	NW	NW	NW	NW	NW
	11/30/2004	6.1	7.81	1108	9.1	200
	3/14/2005	NW	NW	NW	NW	NW
	6/14/2005	17.4	8.47	524	8.12	250
	9/9/2005	18.1	7.78	1146	8.2	250
	11/14/2005	10.5	7.98	1124	9.2	250
Flow measurement by	3/30/2006	5.9	7.72	1438	8.3	250
meter	6/13/2006	15	7.89	690	8.1	250
	9/25/2006	11.7	7.34	1269	6.4	200
	11/30/2006	8.6	7.45	1255	6.8	200
NA = no flow	3/21/2007	10.2	7.67	1324	7.7	250
NW = No Water	6/6/2007	14.9	7.62	1314	6.5	250
NW/F = No Water / Frozen	9/27/2007	16.3	7.74	1339	8.9	250
	11/26/2007	8.5	7.48	1198	6.9	250
	3/19/2008	NA	NA	NA	NA	NA
	6/17/2008	11.9	8.65	543	11	150
	8/25/2008	22.9	7.46	1261	6.3	181
	11/19/2008	9.4	7.88	1204	8.7	160
	Minimum	5.9	7.34	524	6.3	0
	Average	12.4	7.79	1143	8.0	151
	Maximum	22.9	8.65	1438	11.0	250
	Standard Deviation	4.5	0.36	282	1.2	106
	Number of Samples	18	18	18	18	24

Field Parameter Data 2003 - 2008
DOGM Permit Boundary Water Quality Monitoring

Monitoring Location	Date	Temp (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mgl)	Flow Rate (gpm)
Borehole B-6						
B-6	3/11/2003	NW	NW	NW	NW	NW
	6/11/2003	NW	NW	NW	NW	NW
	9/9/2003	NW	NW	NW	NW	NW
	11/18/2003	NW	NW	NW	NW	NW
	3/30/2004	NW	NW	NW	NW	NW
	6/28/2004	NW	NW	NW	NW	NW
	9/13/2004	NW	NW	NW	NW	NW
	11/30/2004	NW	NW	NW	NW	NW
	3/14/2005	NW	NW	NW	NW	NW
	6/14/2005	NW	NW	NW	NW	NW
	9/9/2005	NW	NW	NW	NW	NW
	11/14/2005	NW	NW	NW	NW	NW
	3/30/2006	NW	NW	NW	NW	NW
	6/13/2006	NW	NW	NW	NW	NW
	9/25/2006	NW	NW	NW	NW	NW
	11/30/2006	NW	NW	NW	NW	NW
	3/21/2007	NW	NW	NW	NW	NW
	6/6/2007	NW	NW	NW	NW	NW
	9/27/2007	NW	NW	NW	NW	NW
	11/26/2007	NW	NW	NW	NW	NW
	3/19/2008	NW	NW	NW	NW	NW
	6/17/2008	NW	NW	NW	NW	NW
	8/25/2008	NW	NW	NW	NW	NW
	11/19/2008	NW	NW	NW	NW	NW

NW = No Water

SCA - SUNNYSIDE REFUSE AND SLURRY MINE

Analytical Parameter Data 2003 - 2008

DOGM Permit Boundary Water Quality Monitoring

Sample Location	Date	Acidity (mg/l as CaCO3)	Alkalinity Bicarbonate as CaCO3 (mg/l)	Alkalinity Bicarbonate as HCO3 (mg/l)	Alkalinity Carbonate as CO3 or CaCO3 (mg/l)	Alkalinity Total as CaCO3 (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Calcium Total (mg/l)	Calcium Dissolved (mg/l)	Hardness Total CaCO3 (mg/l)	Magnesium Total (mg/l)	Magnesium Dissolved (mg/l)	Potassium Total (mg/l)	Potassium Dissolved (mg/l)	Sodium Dissolved (mg/l)	Sodium Total (mg/l)	Cations (meq/l)	Anions (meq/l)	Cation / Anion Balance %
Ice-1	3/30/2004			534	< 5	438	43	651		87.50	688		114		3.33	207		22.8	23.5	-1.5
	6/14/2005		419		< 5	419	56	1034		145.00	951		143.00		9.39	273.00		31.1	31.5	-0.6
	9/8/2005		457		17	474	45	486		75.10	603		101.00		5.89	222.00		21.9	20.9	2.3
	11/14/2005	< 5	407		38	445	30	410	72.20	72.20	565	93.40	93.40	4.47	4.47	196.00	196.00	19.9	18.3	4.3
	3/30/2006	< 5	418		< 5	418	41	400		63.90	501		82.9		3.99	173.00		17.6	17.8	-0.6
	6/13/2006	< 5	421		< 5	421	32	402	68.9	68.90	548	91.20	91.20	3.84	3.84	166	166.00	18.3	17.7	1.6
	9/25/2006	< 5	404		47	451	38	413		63.64	556		96.32		2.95	160.3		18.1	18.7	-1.5
	11/30/2006	< 5	577		< 5	577	51	721	114.67	114.67	872	142.27	142.27	5.89	5.34	244.00	244.00	28.2	28.0	0.3
	3/21/2007	< 5	401		< 5	401	35	452	78.3	68.90	562	94.6	94.6	4.70	3.52	169.00	169.00	18.7	18.4	0.7
	6/17/2008		309		30	338	45	647		94.27	733		120.90		4.15	205.42		23.7	21.5	4.80
	8/25/2008		458		< 5	458	53	887		103.37	834		139.85		8.02	280.93		29.10	29.10	0.00
	11/19/2008		405		< 5	405	72	1673		190.50	1378		219.15		14.51	438.08		47.00	44.90	2.20
	Minimum	0	309	534	17	338	30	400	68.9	63.64	501	91.2	82.9	3.84	2.95	160.3	166	17.6	17.7	-1.5
	Average		425	534	33	437	45	681	83.52	95.66	733	105.37	119.88	4.73	5.78	227.89	193.75	24.7	24.2	1.0
	Maximum	0	577	534	47	577	72	1673	114.67	190.50	1378	142.27	219.15	5.89	14.51	438.08	244.00	47.0	44.9	4.8
	Standard Deviation		64		13	56	12	375	21.13	38.56	250	24.64	37.86	0.86	3.37	77.55	36.11	8.4	8.1	2.1
	Number of Samples	0	11	1	4	12	12	12	4	12	12	4	12	4	12	12	4	12	12	12

Sample Location	Date	Aluminum Dissolved (mg/l)	Arsenic Dissolved (mg/l)	Boron Dissolved (mg/l)	Cadmium Dissolved (mg/l)	Copper Dissolved (mg/l)	Iron Total (mg/l)	Iron Dissolved (mg/l)	Lead Dissolved (mg/l)	Manganese total (mg/l)	Manganese Dissolved (mg/l)	Molybdenum Dissolved (mg/l)	Selenium Dissolved (mg/l)	Zinc Dissolved (mg/l)	Conductivity (umhos/cm)	Nitrogen Ammonia (mg/l as N)	Nitrogen Nitrate (mg/l as N)	Nitrogen Nitrite (mg/l as N)	Oil and Grease (mg/l)	Oxygen, Dissolved (mg/l)	pH	pH Sample Temp. (deg C)	Phosphorous Ortho-PO4 (mg/l as P)	Phosphorous Total	Solids Settleable (ml/l)	Solids Total Dissolved (mg/l)	Solids Total Suspended (mg/l)	Turbidity (NTU)
Ice-1	3/30/2004	< 0.03	< 0.01	0.207	< 0.001	< 0.010	0.562	< 0.030	< 0.010	0.031	0.003	0.005	0.037	< 0.004		0.1	0.04	< 0.03	< 2				< 0.05		< 0.1	1303	10	
	6/14/2005						0.54	< 0.03		0.008	< 0.002								< 2						< 0.1	1925	23	
	9/8/2005						0.08	< 0.03		0.026	0.016								< 2	10.48	8.35				< 0.1	1291	5	6.4
	11/14/2005						0.18	< 0.03		0.012	0.006				1741				< 2	9.64	8.46				< 0.1	1083	< 5	7.6
	3/30/2006						0.05	< 0.03		0.125	0.112				1711				< 2		8.18				< 0.1	1069	6	
	6/13/2006						0.08	< 0.03		0.005	0.002				1676				< 2	9.54	8.38	19.1			< 0.1	1041	8	6.8
	9/25/2006						0.17	< 0.03		< 0.002	< 0.002				1742				< 2		8.38	13.4			< 0.1	1117	8	
	11/30/2006						1.46	< 0.03		0.035	0.003				2285				< 2	13.59	7.81	17.3			< 0.1	1661	33	19.7
	3/21/2007	< 0.03	< 0.010	0.21	< 0.001	< 0.01	2.28	< 0.03	< 0.010	0.044	< 0.002	< 0.005	< 0.02	< 0.004	1652	< 0.01	< 0.05	< 0.05	< 2	13.25	8.34	13.6	< 0.05	0.24	< 0.1	1092	121	
	6/17/2008						0.24	< 0.03		0.005	< 0.002								< 5		8.49	19.3			< 0.1	1417	29.00	
	8/25/2008						0.14	< 0.03		0.023	0.010								< 5		8.49	19.40			< 0.1	1804	5.00	
	11/19/2008						0.12	< 0.03		0.012	0.010								< 5		8.20	15.70			< 0.1	3174	5.00	
	Minimum	0	0	0.207	0	0	0.05	0	0	0.005	0.002	0.005	0.037	0	1652	0.1	0.04	0	0	9.54	7.81	13.4	0	0.24	0	1041	5	6.4
	Average			0.21			0.49			0.030	0.020	0.005	0.037		1801	0.1	0.04			11.30	8.31	16.83		0.24		1498	23	10.1
	Maximum	0	0	0	0	0	2.28	0	0	0.125	0.112	0.005	0	0	2285	0	0	0	0	13.59	8.49	19.4	0	0	0	3174	121	19.7
	Standard Deviation			0.00			0.69			0.034	0.037				240					1.97	0.21	2.63				609	34	6.4
	Number of Samples	0	0	2	0	0	12	0	0	11	8	1	1	0	6	1	1	0	0	5	10	7	0	1	0	12	11	4

SCA - SUNNYSIDE REFUSE AND SLURRY MINE

Analytical Parameter Data 2003 - 2008

DOGM Permit Boundary Water Quality Monitoring

Sample Location	Date	Acidity (mg/l as CaCO3)	Alkalinity Bicarbonate as CaCO3 (mg/l)	Alkalinity Bicarbonate as HCO3 (mg/l)	Alkalinity Carbonate as CO3 or CaCO3 (mg/l)	Alkalinity Total as CaCO3 (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Calcium Total (mg/l)	Calcium Dissolved (mg/l)	Hardness Total CaCO3 (mg/l)	Magnesium Total (mg/l)	Magnesium Dissolved (mg/l)	Potassium Total (mg/l)	Potassium Dissolved (mg/l)	Sodium Dissolved (mg/l)	Sodium Total (mg/l)	Cations (meq/l)	Anions (meq/l)	Cation / Anion Balance %
F-2	3/11/2003			529	6	444	31	537		88.90	630		99		3.53	175				
	6/11/2003			577	6	483	36	524		92.10	646		101		2.97	183		20.9	21.6	-1.5
	9/9/2003			730	< 5	598	48	670		102.00	786		129		3.69	225		25.6	27.3	-3.2
	11/18/2003			666	< 5	546	45	670		102.00	737		117		4.32	224		24.6	26.1	-3.1
	3/30/2004			564	< 5	462	42	630		101.00	709		111		3.34	202		23	23.5	-1.1
	6/28/2004			526	< 5	526	41	585		95.90	688		109		3.03	194		22.3	22	0.7
	9/13/2004	6		586	< 5	586	38	561	107.00	107.00	790	127.00	127.00	3.31	3.19	235.00	235.00	26.1	24.5	3.2
	11/30/2004	< 5	535		<5	535	52	908		141.00	999		157.00		3.68	274.00		32.00	31.1	1.4
	3/14/2005	< 5	466		< 5	466	42	734	121.00	121.00	846	132.00	132.00	3.89	3.41	234.00	239.00	27.2	25.8	2.6
	6/14/2005		481		< 5	481	45	779		119.00	845		133.00		4.68	240.00		27.4	27.1	0.6
	9/8/2005		465		27	491	33	444		86.50	588		90.30		3.27	182.00		19.7	20.0	-0.7
	11/14/2005	< 5	436		31	467	30	370	81.40	81.40	560	86.70	86.70	3.58	3.58	173.00	173.00	18.8	17.9	2.5
	3/30/2006	< 5	451		< 5	451	30	388		84.10	590		92.30		3.05	157.00		18.7	17.9	2.1
	6/13/2006	< 5	439		< 5	439	35	392	86.50	83.20	580	93.80	90.50	3.47	3.47	159.00	159.00	18.6	17.9	1.9
	9/25/2006	< 5	456		33	488	37	421		88.37	622		97.38		3.02	158.92		19.4	19.6	-0.4
	11/30/2006	< 5	453		27	480	35	480	97.16	97.16	684	106.37	106.37	3.06	2.97	168.93	170.31	21.0	20.6	1.1
	3/21/2007	< 5	445		< 5	445	36	470	85.50	85.50	625	100.00	100.00	3.34	3.34	171.00	171.00	20.0	19.7	0.8
	6/6/2007	< 5	464		< 5	464	37	481		87.90	656		106.00		2.83	177.00		20.9	20.3	1.3
	9/26/2007	< 5	568		< 5	568	51	648		112.00	856		140.00		3.71	230.00		27.2	26.3	1.7
	11/26/2007		482		32	514	42	562		99.28	739		119.37		3.12	183.43		22.8	23.2	-0.7
	3/19/2008		412		40	451	40	556		93.22	673		106.94		3.57	178.89		21.3	21.7	-0.9
	6/17/2008		259		114	373	43	617		105.49	738		115.25		4.11	199.35		23.50	21.50	4.40
	8/25/2008		490		< 5	490	29	451		79.82	583		93.11		2.87	184.38		19.70	20.00	-0.70
	11/19/2008		465		18	484	28	430		82.53	607		97.40		3.03	182.08		20.10	19.40	1.90
	Minimum	6	259	526	6	373	28	370	81.4	79.82	560	86.7	86.7	3.06	2.83	157	159	18.6	17.9	-3.2
	Average	6	457	597	33	489	39	555	96.43	97.35	699	107.65	110.69	3.44	3.41	195.46	191.22	22.6	22.4	0.6
	Maximum	6	568	730	114	598	52	908	121.00	141.00	999	132.00	157.00	3.89	4.68	274.00	239.00	32.0	31.1	4.4
	Standard Deviation		63	75	30	51	7	135	15.23	14.85	110	18.21	18.05	0.28	0.47	30.86	35.82	3.5	3.5	1.9
	Number of Samples	1	17	7	10	24	24	24	6	24	24	6	24	6	24	24	6	23	23	23

Sample Location	Date	Aluminum Dissolved (mg/l)	Arsenic Dissolved (mg/l)	Boron Dissolved (mg/l)	Cadmium Dissolved (mg/l)	Copper Dissolved (mg/l)	Iron Total (mg/l)	Iron Dissolved (mg/l)	Lead Dissolved (mg/l)	Manganese total (mg/l)	Manganese Dissolved (mg/l)	Molybdenum Dissolved (mg/l)	Selenium Dissolved (mg/l)	Zinc Dissolved (mg/l)	Conductivity (umhos/cm)	Nitrogen Ammonia (mg/l as N)	Nitrogen Nitrate (mg/l as N)	Nitrogen Nitrite (mg/l as N)	Oil and Grease (mg/l)	Oxygen, Dissolved (mg/l)	pH	pH Sample Temp. (deg C)	Phosphorous Ortho-PO4 (mg/l as P)	Phosphorous Total	Solids Settleable (ml/l)	Solids Total Dissolved (mg/l)	Solids Total Suspended (mg/l)	Turbidity (NTU)
F-2	3/11/2003						0.517	< 0.005		0.034	0.02				1754				< 2						< 0.1	1219	6	
	6/11/2003						0.497	0.005		0.055	0.045				1769				< 2						< 0.1	1255	3	
	9/9/2003						1.31	< 0.005		0.104	0.079				2110				< 2						< 0.1	1508	10	
	11/18/2003						0.208	0.011		0.03	0.03				2070				< 2						< 0.1	1479	9	
	3/30/2004	< 0.030	< 0.010	0.201	< 0.001	< 0.010	0.266	< 0.030	< 0.010	0.033	0.028	0.005	0.034	< 0.004		0.2	0.07	< 0.03	< 2				< 0.05		< 0.1	1340	< 5	
	6/28/2004						0.653	< 0.030		0.059	0.046				1861				< 2						< 0.1	1382	8	
	9/13/2004						0.35	< 0.03		0.130	0.040				2070				< 2						< 0.1	1475	22	13.0
	11/30/2004						0.97	< 0.03		0.057	0.049								< 2						< 0.1	1852	8	
	3/14/2005						0.22	< 0.03		0.031	0.027				2330				< 2	11.18	8.26				< 0.1	1609	6	1.9
	6/14/2005						0.29	0.08		0.03	0.022								< 2	17.71	8.24				< 0.1	1601	< 5	
	9/8/2005						0.20	< 0.03		0.018	0.006								< 2						< 0.1	1175	7	4.1
	11/14/2005						0.25	< 0.03		0.020	0.011								< 2	10.34	8.20				< 0.1	1046	< 5	3.9
	3/30/2006						0.20	< 0.03		0.017	0.012				1702				< 2	9.70	8.37				< 0.1	1132	12	
	6/13/2006						0.42	< 0.03		0.027	0.008				1769				< 2		8.34				< 0.1	1074	16	9.3
	9/25/2006						0.35	< 0.03		0.043	0.026				1712				< 2	9.44	8.31	20.20			< 0.1	1133	7	
	11/30/2006						1.48	< 0.03		0.082	0.082				1791				< 2		8.30	13.50			< 0.1	1194	34	17.3
	3/21/2007	, 0.03	< 0.010	0.21	< 0.001	< 0.01	0.18	< 0.03	< 0.010	0.015	0.011	< 0.005	< 0.02	< 0.004	1744				< 2	15.35	8.21	12.40			< 0.1	1161	5	
	6/6/2007	< 0.03	< 0.010	0.23	< 0.001	< 0.01	0.52	< 0.03	< 0.010	0.045	0.027	< 0.005	< 0.02	0.006	1695	< 0.1	0.23	< 0.05	< 2	13.26	8.20	14.60	< 0.05	< 0.05		1203	10	
	9/26/2007	< 0.03	< 0.010	0.24	< 0.001	< 0.01	0.41	< 0.03	< 0.010	0.079	0.073	< 0.005	< 0.02	< 0.004	1806	< 0.1	0.07	< 0.05	< 2		8.40	16.50	< 0.05			1594	8	
	11/26/2007						0.39	< 0.03		0.047	0.039				2250	< 0.1	< 0.05	< 0.05	< 2		8.40	14.70	< 0.05			1359	10	
	3/19/2008						0.15	< 0.03		0.016	0.011								< 2		8.33	15.80			< 0.1	1300	< 5	
	6/17/2008						0.66	< 0.03		0.038	0.009								< 2		8.31	14.50			< 0.1	1440	19	
	8/25/2008						0.09	< 0.03		0.013	0.008								< 5		8.48	19.1			< 0.1	1164	< 5	
	11/19/2008						0.54	< 0.03		0.031	0.012								< 5		8.45	19.4			< 0.1	1175	12.00	
	Minimum	0	0	0.201	0	0	0.09	0.005	0	0.013	0.006	0.005	0.034	0.006					< 5		8.43	15.4			< 0.1	1175	7	
	Average			0.22			0.46	0.03		0.044	0.030	0.005	0.034	0.01	1695	0.2	0.07	0	0	9.44	8.2	12.4	0	0	0	1046	3	1.9
	Maximum	0	0	0	0	0	1.48	0	0	0.130	0.082	0.005	0	0	1896	0.2	0.12			12.43	8.33	16.01				1328	11	8.3
	Standard Deviation			0.02			0.35	0.04		0.030	0.023				2330	0	0	0	0	17.71	8.48	20.2	0	0	0	1852	34	17.3
	Number of Samples	0	0	4	0	0	24	3	0	24	24	1	1	1	212		0.09			3.15	0.09	2.54				205	7	6.0
															15	1	3	0	0	7	16	11	0	0	0	24	19	6

TABLE 2-2

SCA - SUNNYSIDE REFUSE AND SLURRY MINE

Analytical Parameter Data 2003 - 2008

DOGM Permit Boundary Water Quality Monitoring

Sample Location	Date	Acidity (mg/l as CaCO3)	Alkalinity Bicarbonate as CaCO3 (mg/l)	Alkalinity Bicarbonate as HCO3 (mg/l)	Alkalinity Carbonate as CO3 or CaCO3 (mg/l)	Alkalinity Total as CaCO3 (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Calcium Total (mg/l)	Calcium Dissolved (mg/l)	Hardness Total CaCO3 (mg/l)	Magnesium Total (mg/l)	Magnesium Dissolved (mg/l)	Potassium Total (mg/l)	Potassium Dissolved (mg/l)	Sodium Dissolved (mg/l)	Sodium Total (mg/l)	Cations (meq/l)	Anions (meq/l)	Cation / Anion Balance %
CRB	3/11/2003			410	< 5	336	118	3088		436.00	2418		323		25.3	499.00				
	6/11/2003			406	< 5	333	138	3460		469.00	2666		363		25.8	536.00		77.2	82.6	-3.3
	9/9/2003			433	< 5	355	162	3838		470.00	2824		401		30.4	584.00		82.6	91.6	-5.1
	11/18/2003			464	< 5	380	155	3574		458.00	2671		371		30.4	570.00		78.9	86.4	-4.5
	3/30/2004			415	< 5	340	126	3393		466.00	2696		372		26.5	522.00		77.2	81	-2.4
	6/28/2004			336	< 5	336	163	3474		446.00	2694		384		32.7	556.00		78.9	82.4	-2.2
	9/13/2004	13	352		< 5	352	126	3759	460.00	453.00	2737	415.00	390.00	38.00	35.3	554.00	606.00	79.7	88.9	-5.4
	3/14/2005	< 5	379		< 5	379	140	3460	469.00	469.00	2839	405.00	405.00	32.80	30.60	653.00	674.00	85.9	83.6	1.4
	6/14/2005		370		< 5	370	126	3750		491.00	2923		412.00		30.10	641.00		87.00	89.00	-1.1
	9/8/2005		357		< 5	357	119	3695		438.00	2652		378.50		26.80	590.00		79.30	87.40	-4.8
	11/14/2005	< 5	375		< 5	375	130	3250	470.00	470.00	2714	374.00	374.00	30.60	29.30	639.00	639.00	82.80	78.80	2.4
	3/30/2006	< 5	346		< 5	346	131	3152		433.00	2621		374.00		25.50	521.00		75.70	76.20	-0.4
	6/13/2006	9	329		< 5	329	142	3575	487.00	466.00	2934	465.00	430.00	29.70	29.70	584.00	598.00	84.80	85.00	-0.1
	9/25/2006	< 5	383		< 5	383	136	3547		456.28	2794		401.86		29.34	535.92		79.90	85.30	-3.3
	3/21/2007	< 5	348		< 5	348	101	3520	466.00	466.00	3103	471.00	471.00	39.90	39.90	644.00	644.00	91.00	83.10	4.6
	6/6/2007	< 5	338		< 5	338	128	3353		456.00	2876		422.00		28.10	583.00		83.60	80.20	2.1
	9/26/2007	<5	421		< 5	421	147	3547		494.00	3099		453.00		34.10	621.00		89.80	86.40	1.9
	11/26/2007		407		< 5	407	85	3539		427.51	2737		405.42		6.51	549.99		78.80	84.20	-3.3
	3/19/2008		383		< 5	383	138	3471		438.11	2733		397.94		35.86	551.01		79.50	83.80	-2.7
	6/17/2008		230		< 5	230	130	3822		462.34	2969		440.60		42.48	694.28		90.60	87.80	1.60
	8/25/2008		369		< 5	369	149	4432		460.54	2922		430.24		47.94	910.31		99.20	103.80	-2.30
	11/19/2008		354		< 5	354	151	4119		475.36	2983		436.11		42.55	947.90			97.10	2.40
	Minimum	9	230	336	0	230	85	3088	460	427.51	2418	374	323	29.7	6.51	499	598	75.7	76.2	-5.4
	Average	11	359	411		356	134	3583	470.40	459.14	2800	426.00	401.62	34.20	31.14	613.02	632.20	83.1	85.9	-1.2
	Maximum	13	421	464	0	421	163	4432	487.00	494.00	3103	471.00	471.00	39.90	47.94	947.90	674.00	99.2	103.8	4.6
	Standard Deviation	3	42	42		37	18	300	10.06	17.48	166	41.27	34.05	4.53	8.25	113.88	30.78	6.0	6.1	2.9
	Number of Samples	2	16	6	0	22	22	22	5	22	22	5	22	5	22	22	5	20	21	21

Sample Location	Date	Aluminum Dissolved (mg/l)	Arsenic Dissolved (mg/l)	Boron Dissolved (mg/l)	Cadmium Dissolved (mg/l)	Copper Dissolved (mg/l)	Iron Total (mg/l)	Iron Dissolved (mg/l)	Lead Dissolved (mg/l)	Manganese total (mg/l)	Manganese Dissolved (mg/l)	Molybdenum Dissolved (mg/l)	Selenium Dissolved (mg/l)	Zinc Dissolved (mg/l)	Conductivity (umhos/cm)	Nitrogen Ammonia (mg/l as N)	Nitrogen Nitrate (mg/l as N)	Nitrogen Nitrite (mg/l as N)	Oil and Grease (mg/l)	Oxygen, Dissolved (mg/l)	pH	pH Sample Temp. (deg C)	Phosphorous Ortho-PO4 (mg/l as P)	Phosphorous Total	Solids Settleable (ml/l)	Solids Total Dissolved (mg/l)	Solids Total Suspended (mg/l)	Turbidity (NTU)
CRB	3/11/2003						0.422	< 0.005		0.098	0.009				5220				< 2						< 0.1	5162	17	
	6/11/2003						0.108	< 0.025		0.06	0.026				5520				< 2						< 0.1	5525	3	
	9/9/2003						0.098	< 0.005		0.047	0.042				5800				< 2						< 0.1	5803	< 5	
	11/18/2003						0.035	0.007		0.041	0.041				5710				< 2						< 0.1	5637	< 5	
	3/30/2004	< 0.030	< 0.010	1.2	< 0.001	< 0.010	< 0.050	< 0.030	< 0.010	< 0.002	< 0.002	< 0.005	0.04	< 0.004		< 0.1	0.35	< 0.03	< 2				< 0.05		< 0.1	5247	< 5	
	6/28/2004						0.152	< 0.030		0.06	0.055				394				< 2						< 0.1	5747	< 5	
	9/13/2004						0.11	< 0.03		0.022	0.009				5840				< 2	10.28	7.89				< 0.1	5825	< 5	3.0
	3/14/2005						< 0.05	< 0.03		0.016	0.015				6450				< 2	17.37	8.1				< 0.1	5968	< 5	0.5
	6/14/2005						0.20	< 0.03		0.037	0.005								< 2						< 0.1	5641	< 5	
	9/8/2005						0.19	< 0.03		0.097	0.005								< 2	9.60	7.90				< 0.1	5888	< 5	1.9
	11/14/2005						0.75	< 0.03		0.379	0.291				6270				< 2	12.09	8.17				< 0.1	5734	< 5	3.5
	3/30/2006						< 0.05	< 0.03		0.037	0.034				6180				< 2		8.03				< 0.1	5476	< 5	
	6/13/2006						0.26	< 0.03		0.106	0.084				6500				< 2	8.46	7.86	20.00			< 0.1	5996	5	1.2
	9/25/2006						0.46	< 0.03		0.396	0.32				6205				< 2		8.00	13.80			< 0.1	5876	8	
	3/21/2007	< 0.03	< 0.010	1.49	< 0.001		0.18	< 0.03	< 0.010	0.083	0.067	< 0.005	< 0.02	< 0.004	6320	< 0.1	0.25	< 0.05	< 2	12.63	8.04	13.40	< 0.05	< 0.05	< 0.1	6034	6	
	6/6/2007	< 0.03	< 0.010	1.56	< 0.001	< 0.01	0.11	0.04	< 0.010	0.023	0.008	< 0.005	< 0.02	0.005	6080	< 0.1	< 0.05	< 0.05	< 2		8.17	15.10	< 0.05			5804	26	
	9/26/2007	< 0.03	< 0.010	1.71	< 0.001	< 0.01	0.09	< 0.03	< 0.010	1.18	1.18	< 0.005	< 0.02	< 0.004	6260	< 0.1	0.18	< 0.05	< 2		8.19	15.00	< 0.05			6059	< 5	
	11/26/2007						< 0.05	< 0.03		0.102	0.102								< 2		8.09	16.10			< 0.1	5647	< 5	
	3/19/2008						< 0.05	< 0.03		0.066	0.066								< 2		8.06	14.80			< 0.1	5772	< 5	
	6/17/2008						< 0.05	< 0.03		0.007	< 0.002								< 5		8.23	19.80			< 0.1	6460	< 5	
	8/25/2008						< 0.05	< 0.03		0.004	< 0.002								< 5		8.17	19.20			< 0.1	7242	< 5	
	11/19/2008						< 0.05	< 0.03		0.012	0.010								< 5		8.20	16.40			< 0.1	6971	5.00	
	Minimum	0	0	1.2	0	0	0.035	0.007	0	0.004	0.005	0	0.04	0.005	394	0	0.18	0	0	8.46	7.86	13.4	0	0	0	5162	3	0.5
	Average			1.49			0.23	0.02		0.137	0.125		0.040	0.01	5625		0.26			11.74	8.07	16.36				5887	10	2.0
	Maximum	0	0	2	0	0	0.75	0	0	1.180	1.180	0.000	0	0	6500	0	0	0	0	17.37	8.23	20.0	0	0	0	7242	26	3.5
	Standard Deviation			0.21			0.19	0.02		0.261	0.271				1550		0.09			3.16	0.12	2.46				483	8	1.2
	Number of Samples	0	0	4	0	0	14	2	0	21	19	0	1	1	14	0	3	0	0	6	15	10	0	0	0	22	7	5

SCA - SUNNYSIDE REFUSE AND SLURRY MINE

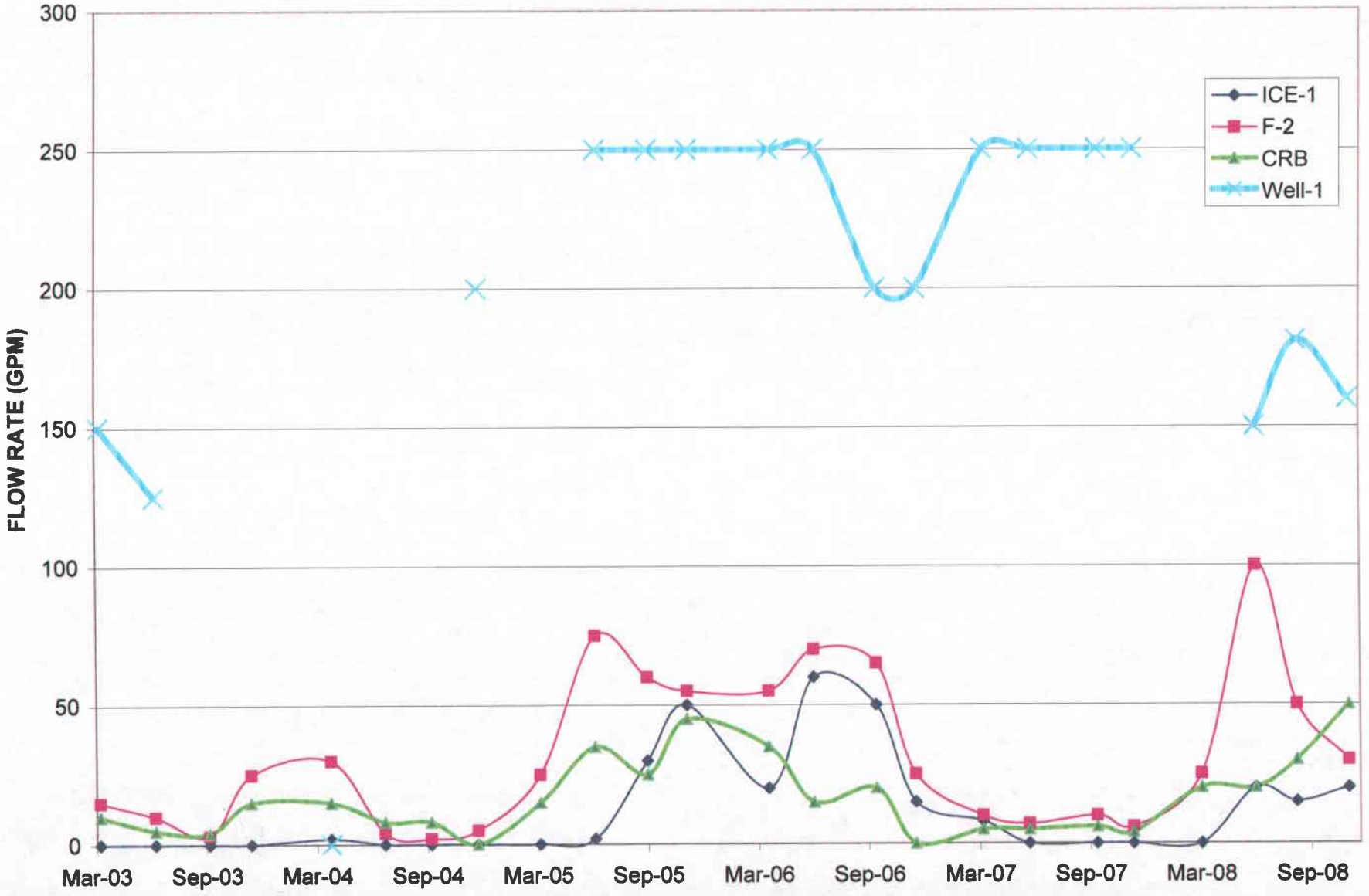
Analytical Parameter Data 2003 - 2008

DOGM Permit Boundary Water Quality Monitoring

Sample Location	Date	Acidity (mg/l as CaCO3)	Alkalinity Bicarbonate as CaCO3 (mg/l)	Alkalinity Bicarbonate as HCO3 (mg/l)	Alkalinity Carbonate as CO3 or CaCO3 (mg/l)	Alkalinity Total as CaCO3 (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Calcium Total (mg/l)	Calcium Dissolved (mg/l)	Hardness Total CaCO3 (mg/l)	Magnesium Total (mg/l)	Magnesium Dissolved (mg/l)	Potassium Total (mg/l)	Potassium Dissolved (mg/l)	Sodium Dissolved (mg/l)	Sodium Total (mg/l)	Cations (meq/l)	Anions (meq/l)	Cation / Anion Balance %
Well #1	3/11/2003			442	< 5	363	67	383		62.20	542		93.9		2.36	126				
	6/11/2003			456	< 5	374	75	391		64.90	578		101		2.19	127		17.1	17.7	-1.7
	3/30/2004			528	< 5	436	16	120		45.60	333		53.1		6.19	113		11.7	11.6	0.5
	11/30/2004	< 5	391		< 5	391	74	379		64.70	577		101.00		2.26	131.00		17.3	17.8	-1.4
	6/14/2005		237		6	243	2	60		51.80	268		33.70		1.52	24.7		6.5	6.2	2.4
	9/8/2005		410		< 5	410	19	203		68.50	420		60.5		2.66	120.00		13.7	13.0	2.7
	11/14/2005	< 5	407		< 5	407	19	210	64.40	63.50	400	59.6	58.70	3.02	2.88	124.00	128.00	13.5	13.0	1.6
	3/30/2006	10	398		< 5	398	28	376		91.30	557		79.8		2.98	127.00		16.7	16.6	0.4
	6/13/2006	< 5	380		< 5	380	18	272	72.60	72.60	453	66.50	66.10	3.05	3.05	116.00	116.00	14.2	13.8	1.5
	9/25/2006	< 5	389		< 5	389	28	296		77.93	468		66.44		2.74	113.11		14.3	14.7	-1.3
	11/30/2006	< 5	243		11	254	5	75	47.62	47.62	293	42.33	42.33	1.85	1.69	28.71	28.99	7.2	6.8	2.7
	3/21/2007	< 5	420		< 5	420	27	337	86.30	86.30	528	75.90	75.90	2.95	2.95	131.00	131.00	16.3	16.2	0.5
	6/6/2007	12	409		< 5	409	29	295		78.50	505		75.00		2.53	126.00		15.6	15.1	1.6
	9/26/2007	< 5	400		< 5	400	39	322		75.90	533		83.30		2.71	130.00		16.4	15.8	1.7
	11/26/2007		426		< 5	426	24	289		87.62	550		80.32		3.47	136.23		17	15.2	5.5
	6/17/2008		226		< 5	226	2	67		43.47	261		36.91		1.08	25.84		6.40	6.00	3.00
	8/25/2008		393		< 5	393	25	276		72.35	461		68.12		2.67	118.52		14.40	14.30	0.50
	11/19/2008		403		< 5	403	20	248		73.67	463		67.65		2.92	118.11		20.10	19.40	2.50
	Minimum	10	226	442	6	226	2	60	47.62	43.47	261	42.33	33.7	1.85	1.08	24.7	28.99	6.4	6	-1.7
	Average	11	369	475	9	373	29	256	67.73	68.25	455	61.08	69.10	2.72	2.71	107.57	101.00	14.0	13.7	1.3
	Maximum	12	426	528	11	436	75	391	86.30	91.30	578	75.90	101.00	3.05	6.19	136.23	131.00	20.1	19.4	5.5
	Standard Deviation	1	70	46	4	64	22	111	16.17	14.27	105	14.17	19.76	0.58	1.05	37.89	48.44	4.0	4.0	1.8
	Number of Samples	2	15	3	2	18	18	18	4	18	18	4	18	4	18	18	4	17	17	17

Sample Location	Date	Aluminum Dissolved (mg/l)	Arsenic Dissolved (mg/l)	Boron Dissolved (mg/l)	Cadmium Dissolved (mg/l)	Copper Dissolved (mg/l)	Iron Total (mg/l)	Iron Dissolved (mg/l)	Lead Dissolved (mg/l)	Manganese total (mg/l)	Manganese Dissolved (mg/l)	Molybdenum Dissolved (mg/l)	Selenium Dissolved (mg/l)	Zinc Dissolved (mg/l)	Conductivity (umhos/cm)	Nitrogen Ammonia (mg/l as N)	Nitrogen Nitrate (mg/l as N)	Nitrogen Nitrite (mg/l as N)	Oil and Grease (mg/l)	Oxygen, Dissolved (mg/l)	pH	pH Sample Temp. (deg C)	Phosphorous Ortho-PO4 (mg/l as P)	Phosphorous Total	Solids Settleable (ml/l)	Solids Total Dissolved (mg/l)	Solids Total Suspended (mg/l)	Turbidity (NTU)
Well #1	3/11/2003						0.259	< 0.005		0.005	0.005				1528				< 2						< 0.1	991	< 5	
	6/11/2003						0.074	< 0.005		0.005	0.005				1516				< 2						< 0.1	1014	< 5	
	3/30/2004	< 0.030	< 0.010	0.119	< 0.001	< 0.010	1.66	< 0.030	< 0.010	0.067	< 0.002	< 0.005	0.034	< 0.004		0.1	< 0.03	< 0.03	< 2				< 0.05			652		
	11/30/2004						10.60	< 0.03		0.082	< 0.002								< 2						0.3	1004	136	
	6/14/2005						0.08	< 0.03		0.009	< 0.002								< 2						< 0.1	324	< 5	
	9/8/2005						0.83	< 0.03		0.007	0.004								< 2	9.77	7.71				< 0.1	740	< 5	13.3
	11/14/2005						0.95	0.14		0.006	0.002				1277				< 2	10.82	7.74				< 0.1	738	< 5	10.0
	3/30/2006						< 0.05	< 0.03		< 0.002	< 0.002				1565				< 2		7.54				< 0.1	1002	< 5	
	6/13/2006						0.53	< 0.03		0.017	0.002				1307				< 2	9.41	7.99	19.7			< 0.1	783	20	9.2
	9/25/2006						< 0.05	< 0.03		< 0.002	< 0.002				1397				< 2		7.25	13.6			< 0.1	866	< 5	
	11/30/2006						0.21	< 0.03		0.011	0.005				612				< 2	14.83	8.27	12.9			< 0.1	382	11	6.4
	3/21/2007	< 0.03	< 0.010	0.24	< 0.001	< 0.01	0.24	< 0.03	< 0.010	0.004	0.003	< 0.005	< 0.02	< 0.004	1449	< 0.1	1060	< 0.05	< 2	11.79	7.64	13.6	< 0.05	< 0.05	< 0.1	942	< 5	
	6/6/2007	< 0.03	< 0.010	0.21	< 0.001	< 0.01	0.16	0.04	< 0.010	0.004	0.004	< 0.005	< 0.02	0.009	1404	< 0.1	1.38	< 0.05	< 2		7.71	15.3	< 0.05			876	< 5	
	9/26/2007	< 0.03	< 0.010	0.21	< 0.001	< 0.01	0.07	< 0.03	< 0.010	0.002	0.002	< 0.005	< 0.02	< 0.004	1423	< 0.1	1.52	< 0.05	< 2		7.83	17.0	< 0.05			930	< 5	
	11/26/2007						0.1	< 0.03		< 0.002	< 0.002								< 2		7.80	16.4			< 0.1	868	5	
	6/17/2008						0.39	< 0.03		0.017	< 0.002								< 5		8.60	19.30			< 0.1	330	21.00	
	8/25/2008						0.08	< 0.03		0.018	0.018								< 5		7.53	19.30			< 0.1	810	5.00	
	11/19/2008						0.47	< 0.03		0.005	0.002								< 5		7.71	15.60			< 0.1	824	11.00	
	Minimum	0	0	0.119	0	0	0.07	0.04	0	0.002	0.002	0	0.034	0.009	612	0.1	1.38	0	0	9.41	7.25	12.9	0	0	0.3	324	5	6.4
	Average			0.19			1.04	0.09		0.017	0.005		0.034	0.01	1348	0.1	354.30			11.32	7.79	16.27			0.30	782	30	9.7
	Maximum	0	0	0	0	0	10.60	0	0	0.082	0.018	0.000	0	0	1565	0	1060	0	0	14.83	8.60	19.7	0	0	0	1014	136	13.3
	Standard Deviation			0.05			2.58	0.07		0.024	0.005				274		611.15			2.17	0.34	2.53				225	47	2.8
	Number of Samples	0	0	4	0	0	16	2	0	15	11	0	1	1	10	1	3	0	0	5	13	10	0	0	1	18	7	4

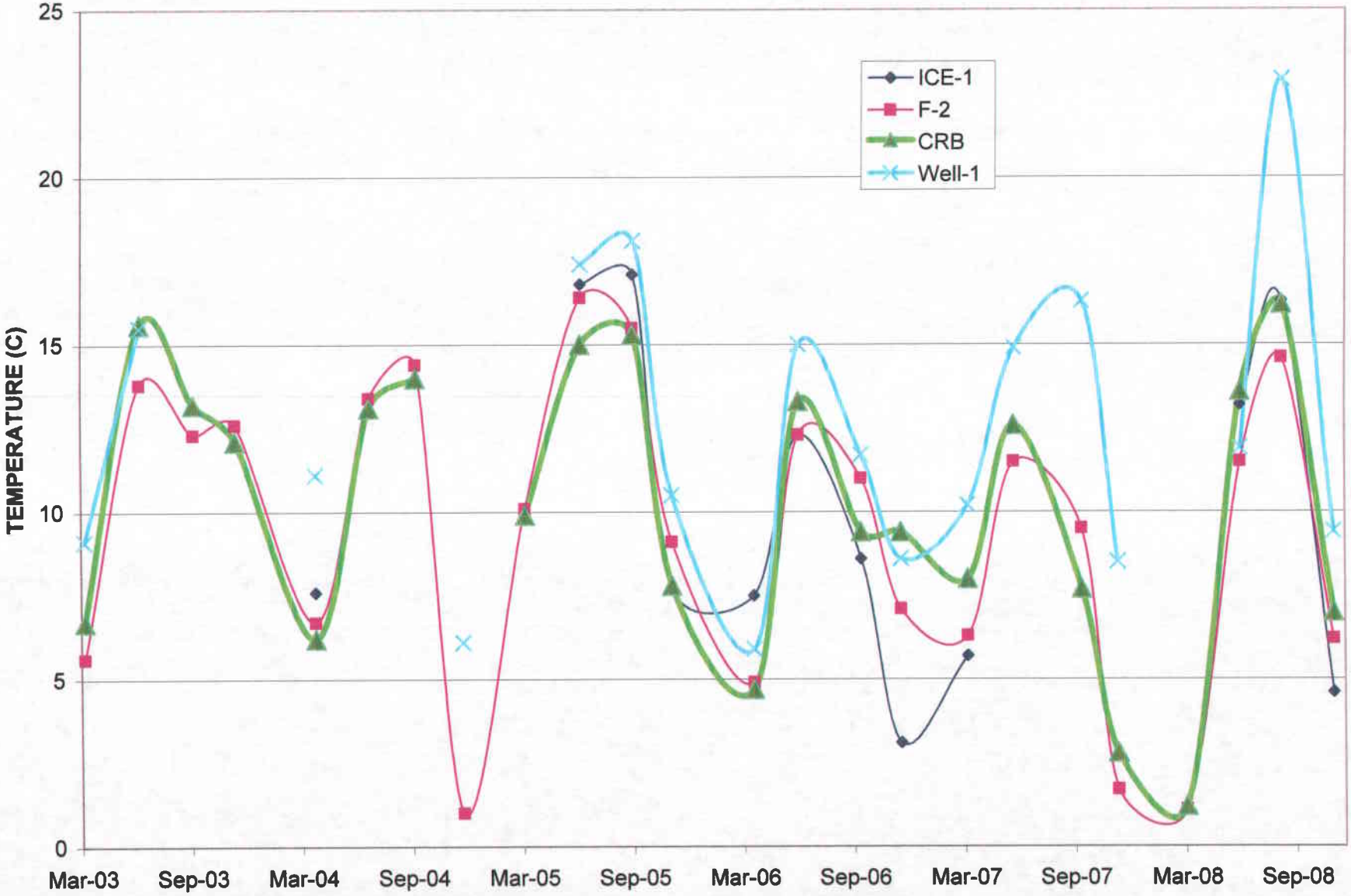
WATER FLOW RATE 2003-2008



SCA WATER MONITORING

FIGURE 1

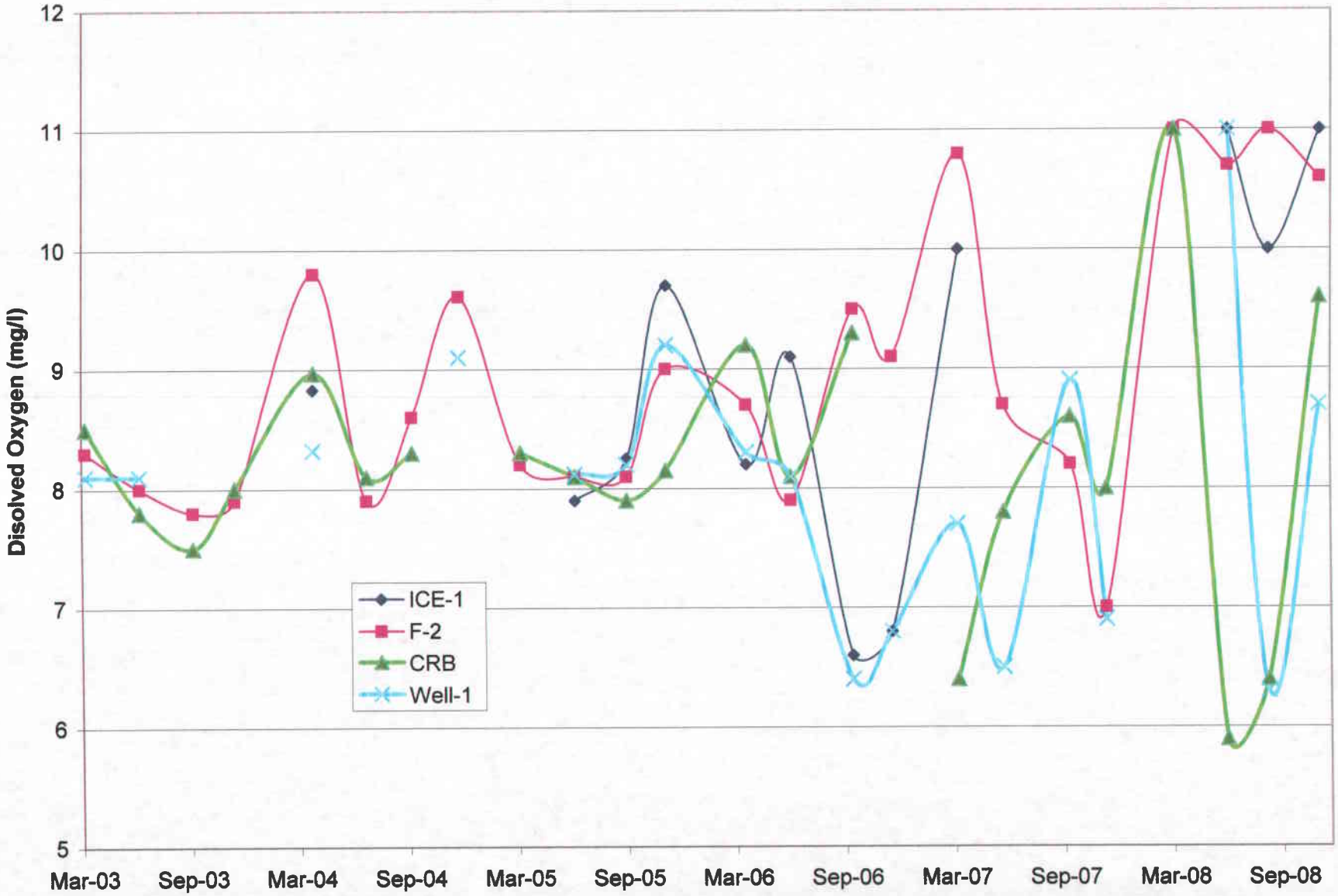
WATER TEMPERATURE 2003-2008



SCA WATER MONITORING

FIGURE 2

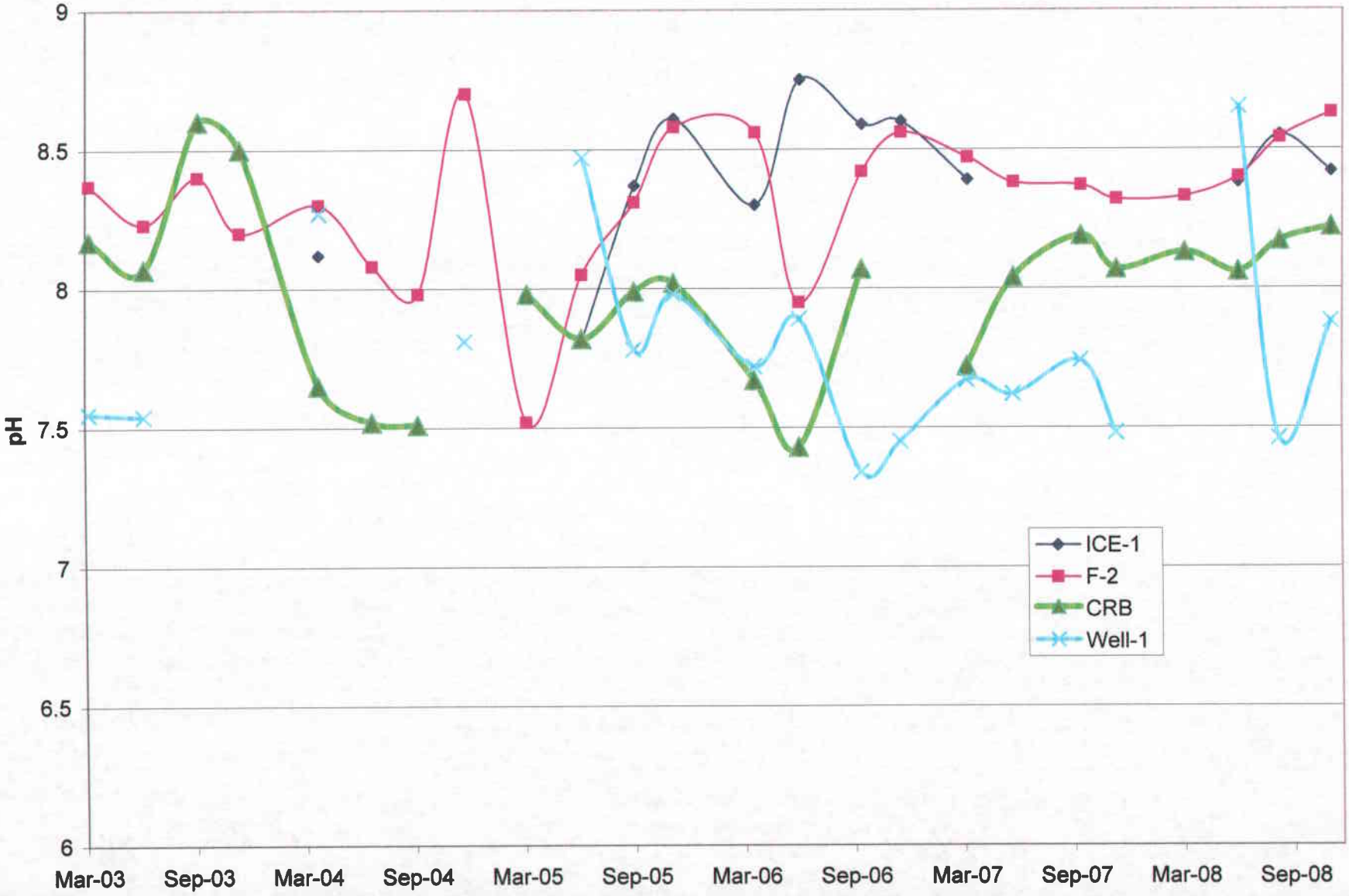
DISOLVED OXYGEN 2003-2008



SCA WATER MONITORING

FIGURE 3

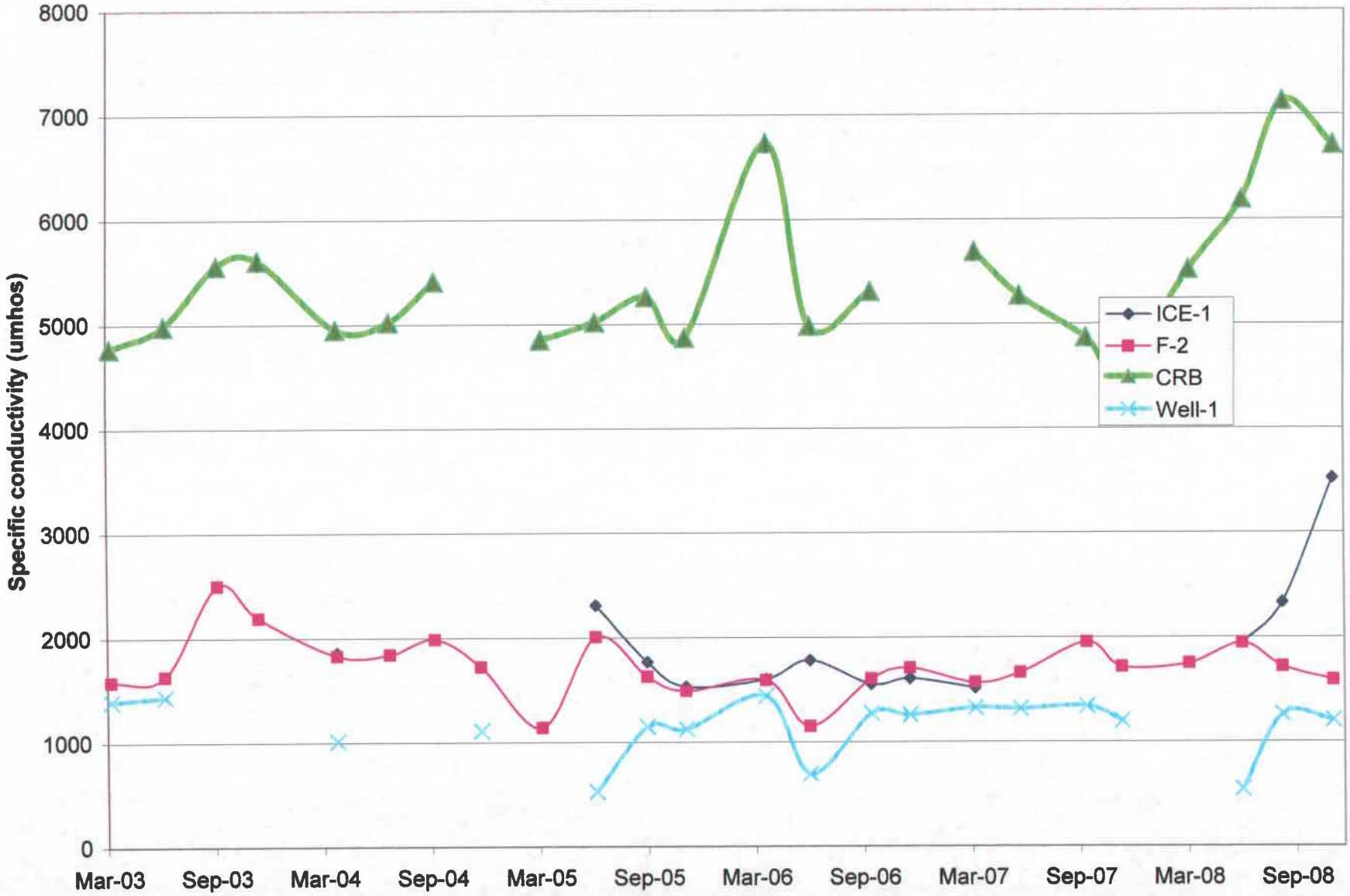
WATER pH 2003-2008



SCA WATER MONITORING

FIGURE 4

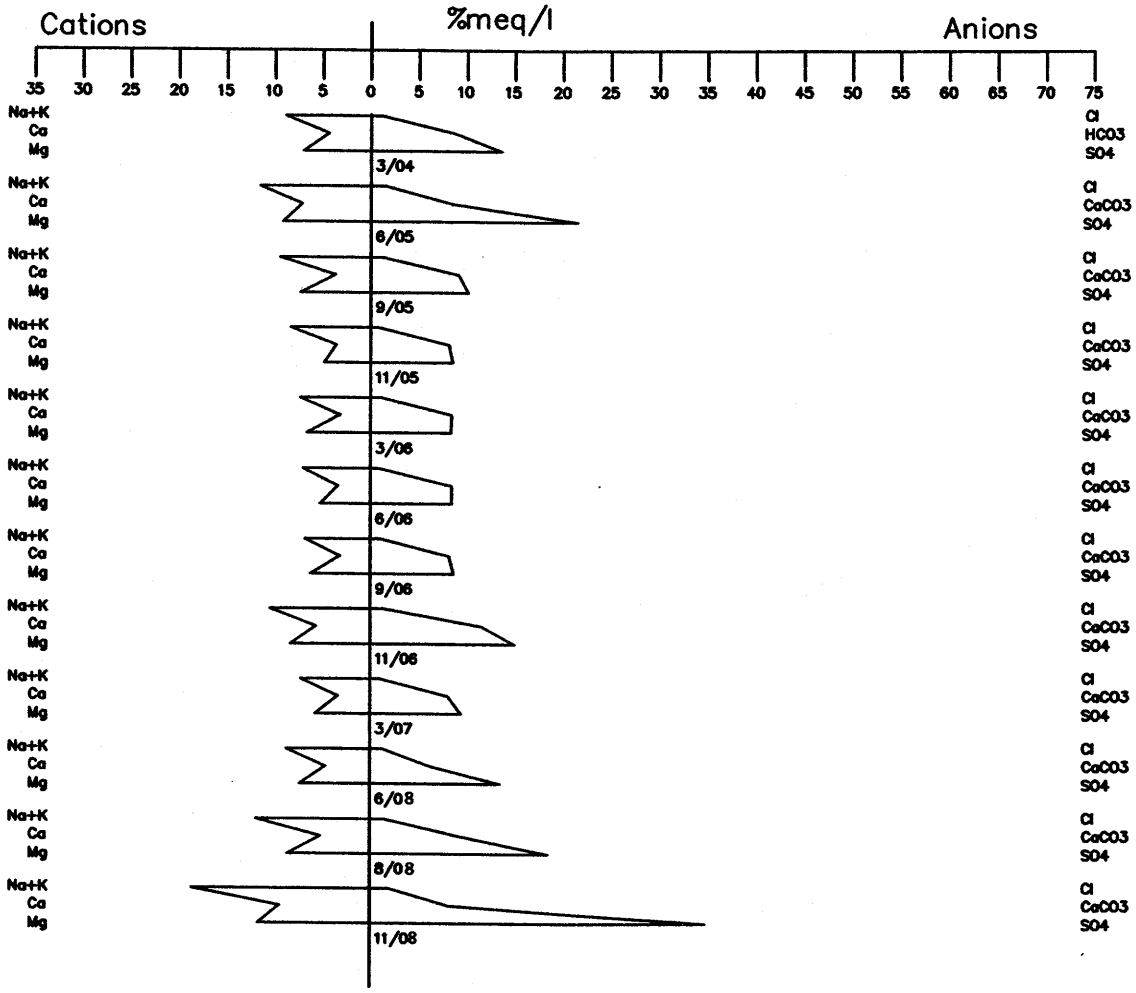
SPECIFIC CONDUCTIVITY 2003-2008



SCA WATER MONITORING

FIGURE 5

ICE-1



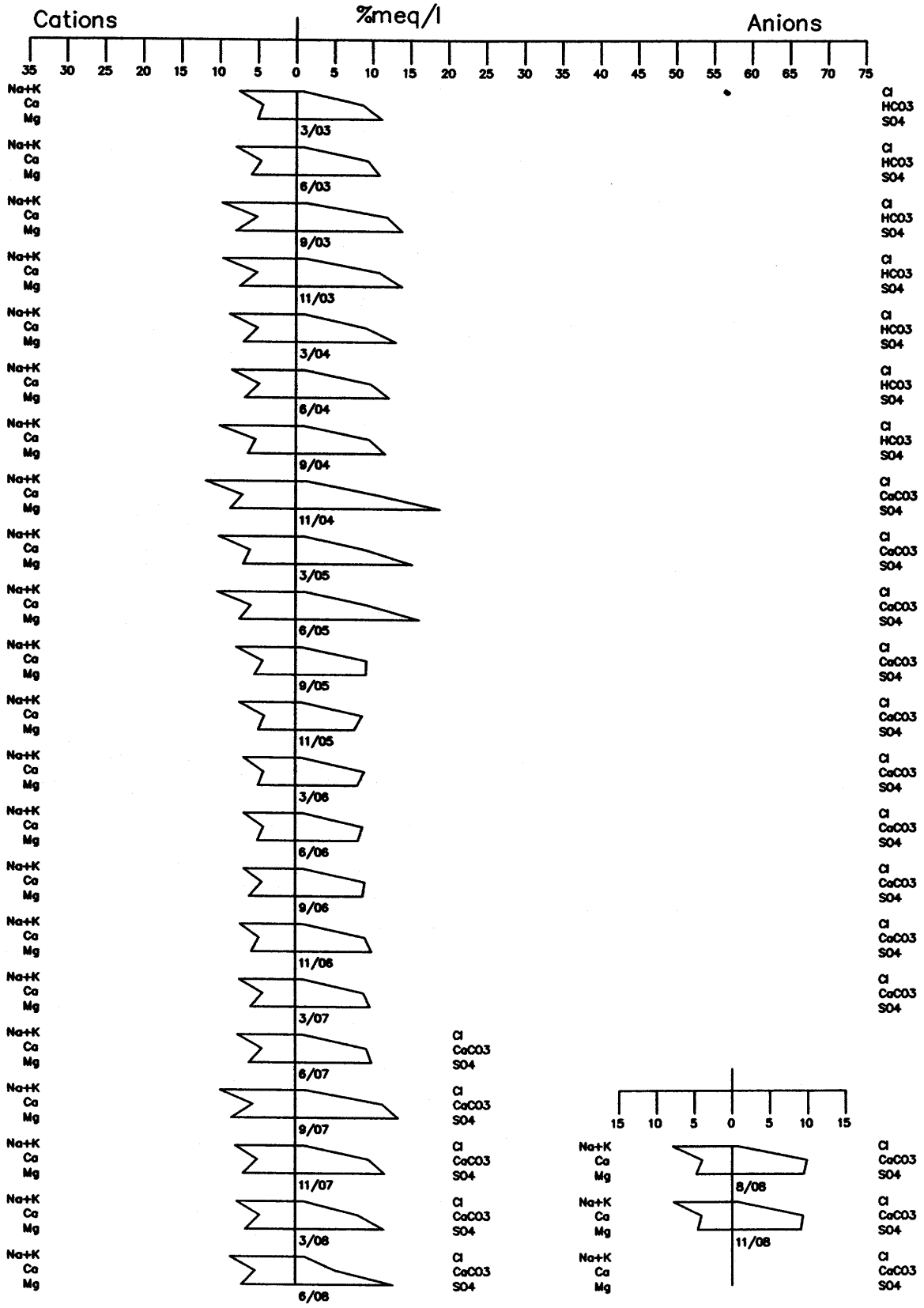
TWIN PEAKS
Engineering & Land Surveying
1680 NORTH 800 EAST LEHI, UTAH 84043
(801) 450-3811, (801) 439-0700 FAX

SUNNYSIDE COGENERATION ASSOCIATES

SURFACE & GROUND WATER MONITORING SITES
WATER QUALITY ANALYSIS 2003 – 2008

Scale: 1"=20'	PROJECT NO.
Drawn by: AH	FIGURE # 6
Checked by: SSC	

F-2

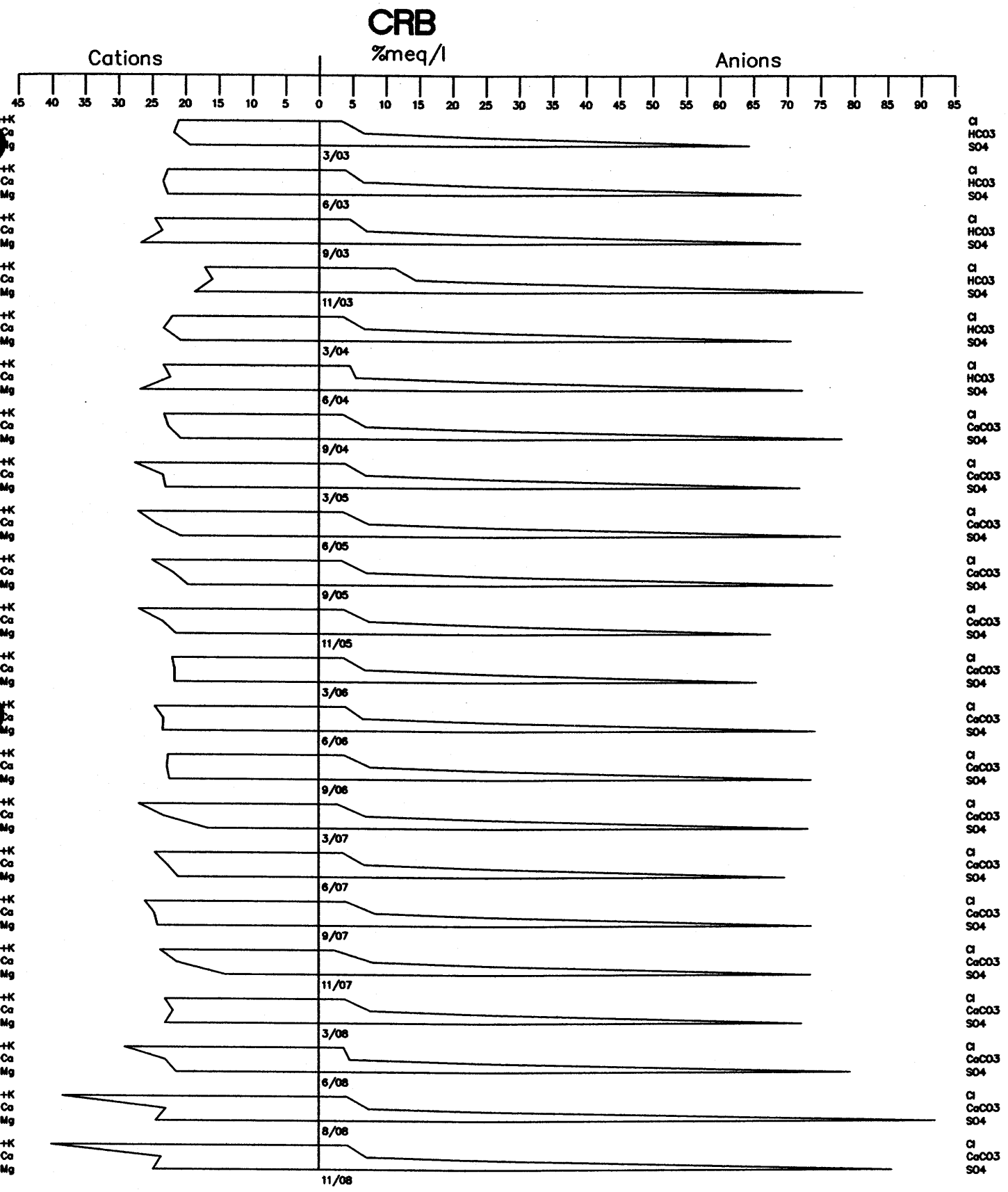


TWIN PEAKS
Engineering & Land Surveying
1980 NORTH 800 EAST LEHI, UTAH 84043
(801) 489-3911, (801) 439-0700 FAX

SUNNYSIDE COGENERATION ASSOCIATES

SURFACE & GROUND WATER MONITORING SITES
WATER QUALITY ANALYSIS 2003 – 2008

Scale: 1"=20'	PROJECT NO.
Drawn by: AH	FIGURE # 7
Checked by: SSC	

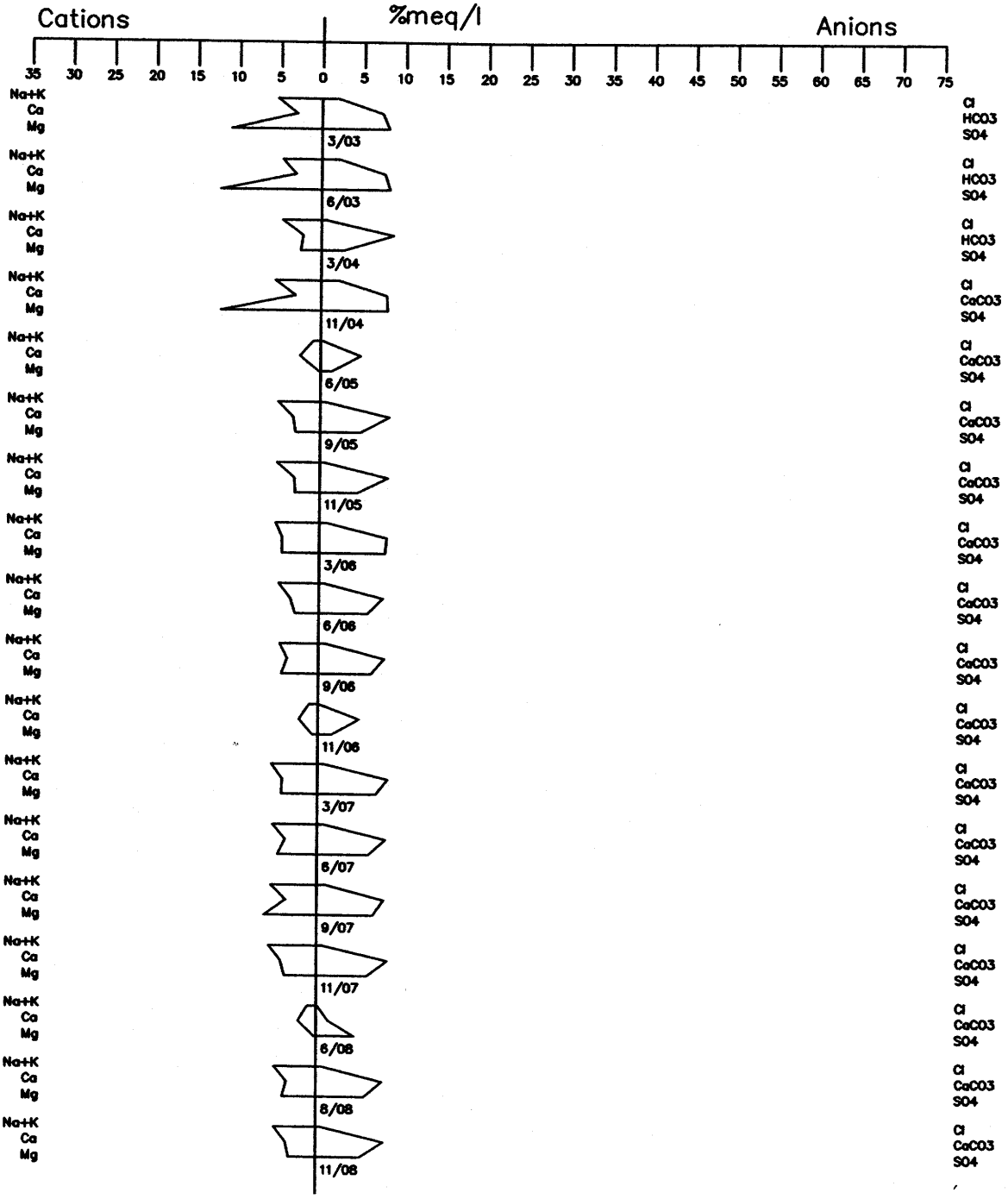


TWIN PEAKS
Engineering & Land Surveying
1980 NORTH 800 EAST LEHI, UTAH 84043
(801) 450-3911, (801) 436-0700 FAX

SUNNYSIDE COGENERATION ASSOCIATES
SURFACE & GROUND WATER MONITORING SITES
WATER QUALITY ANALYSIS 2003 – 2008

Scale: 1"=20'	PROJECT NO.
Drawn by: AH	FIGURE # 8
Checked by: SSC	

WELL-1



TWIN PEAKS
Engineering & Land Surveying
1680 NORTH 800 EAST LEHI, UTAH 84043
(801) 460-3611, (801) 439-0700 FAX

SUNNYSIDE COGENERATION ASSOCIATES

SURFACE & GROUND WATER MONITORING SITES
WATER QUALITY ANALYSIS 2003 – 2008

Scale:	1"=20'
Drawn by:	AH
Checked by:	SSC
PROJECT NO.	
FIGURE #	9

APPENDIX C
DEPARTMENT OF COMMERCE
CERTIFICATES OF EXISTENCE

Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, PO Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web Site: http://www.commerce.utah.gov

04/29/2009
4911242-015004292009-3202250

CERTIFICATE OF EXISTENCE

Registration Number:	4911242-0150
Business Name:	SUNNYSIDE COGENERATION ASSOCIATES
Registered Date:	April 24, 2001
Entity Type:	DBA
Current Status:	Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.

Kathy Berg

Kathy Berg
Director
Division of Corporations and Commercial Code

Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, PO Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web Site: http://www.commerce.utah.gov

04/29/2009
2113550-018104292009-3444290

CERTIFICATE OF EXISTENCE

Registration Number:	2113550-0181
Business Name:	SUNNYSIDE II, L.P.
Registered Date:	December 30, 1994
Entity Type:	Limited Partnership - Foreign
Current Status:	Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.

Kathy Berg

Kathy Berg
Director
Division of Corporations and Commercial Code

Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, PO Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web Site: http://www.commerce.utah.gov

04/29/2009
1215877-014304292009-16975

CERTIFICATE OF EXISTENCE

Registration Number:	1215877-0143
Business Name:	SUNNYSIDE HOLDINGS I, INC.
Registered Date:	December 30, 1994
Entity Type:	Corporation - Foreign - Profit
Current Status:	Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.

Kathy Berg

Kathy Berg
Director
Division of Corporations and Commercial Code

APPENDIX D
MINE MAP

As required under R645-302-525-270

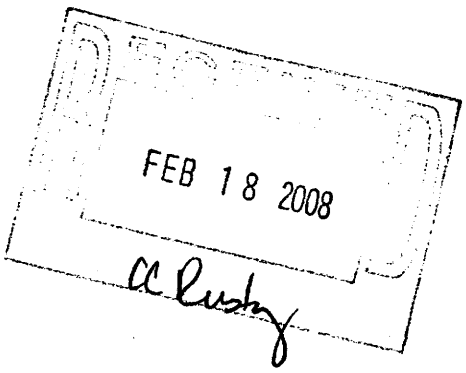
APPENDIX E-1
DOGM LETTER
RENEWAL OF MINING AND RECLAMATION PERMIT

JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

MICHAEL R. STYLER
Executive Director

JOHN R. BAZA
Division Director



February 4, 2008

Michael Blakey, Plant Manager
Sunnyside Cogeneration Associates
P.O. Box 159
Sunnyside, Utah 84539

Subject: Five-Year Permit Renewal, Sunnyside Cogeneration Associates, Sunnyside Refuse and Slurry, C/007/0035, Task ID #2842, Outgoing File

Dear Mr. Blakey:

The Division of Oil, Gas and Mining has reviewed your application for permit renewal and has made a decision to approve this application. Enclosed is the renewed permanent program mining permit for the Sunnyside Refuse and Slurry and a copy of the State's Decision Document.

Two (2) copies of the permit are included. Please have both copies signed by the responsible official for Sunnyside Cogeneration Associates and return one to the Division.

Sincerely,

John R. Baza
Director

an
Enclosures
cc: J. Fulton, OSM
Price Field Office
O:\007035.SRS\FINAL\PERMIT\2008RENEWAL\WG2842\COVER LETTER.DOC

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*